REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-001**
AGENCY RID NUMBER:	**ESA-ESA-01**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
REVIEWER'S NAME:	**Holger Dreihahn**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-1**	PARAGRAPH NUMBER:	**3.2.1**
RID SHORT TITLE:		**Optional Scheduled Packages**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To: "..." format)

With the Schedules Package being the only element which can contain Scheduled Activity, what is the point of making the Scheduled Package optional? If the Scheduled Package shall be really optional, shall it be allowed that the Simple Schedule can contain Schduled Activities directly?

CATEGORY OF REQUESTED CHANGE:

      Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: The point of making the Scheduled package optional is to allow for indication of an "empty" schedule. No change recommendation

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-002**
AGENCY RID NUMBER:	**ESA-ESA-02**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
REVIEWER'S NAME:	**Holger Dreihahn**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:		PARAGRAPH NUMBER:	**3.2.3**
RID SHORT TITLE:		**Update of scheduledPackageID and scheduledActivityID**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Yes, allowing an update of the scheduledPackageID and scheduledActivityID is implementation friendly on the first glance. However, it renders these IDs pretty useless?! Every client has to implement 'something' to find out the relation to older versions of schedules in case the scheduledPackageID or scheduledActivityID has changed.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

Wouldn't it be better to establish a kind of rule to derive the ID form the information of the scheduled package? We have discussed at ESOC several ideas how this would be possible.

DISPOSITION:

Rejected: The optional servicePackageXref can be used for providing the inter-schedule publication identification.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-003**
AGENCY RID NUMBER:	**ESA-ESA-03**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:		PARAGRAPH NUMBER:	**3.2.3.5**
RID SHORT TITLE:		**Make SANA identifiers mandatory for ScheduledPackage#user ScheduledActivity#stationRef, antennaRef**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Or are they? Shouldn't a standard mandate spacecraft and ground station names as per SANA and / or CCSDS? It would be a statring point to eliminate all the name translation tables and the effort to implement and maintain them.

CATEGORY OF REQUESTED CHANGE:

   Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Yes, they are required to be in SANA.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-004**
AGENCY RID NUMBER:	**ESA-ESA-04**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER:	PARAGRAPH NUMBER: **3.2.2.2**
RID SHORT TITLE:	**Add a destination or purpose for Class SimpleSchedule**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The Simple Schedule has a originating organization, but it does not have a destination / purpose field. Since the simple schedules are typically filtered and created for a dedicated purpose, wouldn't such a field help to identify the purpose of a schedule? The SchedulePackage#user might not be enough if a user can order several types of schedules like shown in 3.4.1.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: The recommendation is intended as a publication format which by defintion is not necessarily destination specific.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-005**
AGENCY RID NUMBER:	**ESA-ESA-05**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:		PARAGRAPH NUMBER:	**3.2.4.3**
RID SHORT TITLE:		**servicePackageRef description**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

I would have expected that servicePackageRef references the scheduledPackageID but I think that's wrong. The reference 910.11 tells that servicePackageRef contains the servicePackageId. So I assume servicePackage != scheduledPackage? In general the relation to SM is not clear to me in case a ServicePackageRef is present. Does that mean no ScheduledActivity elements shall be in the ScheduledPackage?

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)

RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.

EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: The assumption is correct; they are in different information spaces; See response to RID CSSM-02

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		CSSM-006	
AGENCY RID NUMBER:		ESA-ESA-06	
SUBMITTING ORGANIZATION (Agency, Center):		ESA	
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DOCUMENT NUMBER:		902.1-R-1	
DOCUMENT NAME:		CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT	
DATE ISSUED:		September 2014	
PAGE NUMBER:		PARAGRAPH NUMBER:	3.2.9
RID SHORT TITLE:		Allow nested parameters	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Allow nesting of AdditionalParameter, i.e. an AdditionalParameter can have 0..n children of AdditionalParameter. In our implementation (EPS) we found nested parameters quite useful.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___ Recommended ___ Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Document to be updated accordingly

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-007**
AGENCY RID NUMBER:	**ESA-ESA-07**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
REVIEWER'S NAME:	**Holger Dreihahn**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER:	PARAGRAPH NUMBER: **3.2.7.3**
RID SHORT TITLE:	**OFFLINE-TM- provision or recording?**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Is OFFLINE-TM the provision or the recording of offline TM? If it is the provision, is a preceeding TELEMETRY service required? Note: For ESTRACK it is often a discussion, if offline TM provisioning really requires scheduling or is a background concept

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Recommendation will be clarified. (differentiation between recording and provision)

CCSDS RID NUMBER:	**CSSM-008**
AGENCY RID NUMBER:	**ESA-ESA-08**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
REVIEWER'S NAME:	**Holger Dreihahn**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:		PARAGRAPH NUMBER:	**3.2.7.3**
RID SHORT TITLE:		**Offline TELECOMMAND**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Is offline TELECOMMAND a service type which should be included? There seems to be an implementation at DSN.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: No, not needed. Yes, the DSN does have off-line TELECOMMAND but the shcedule drives the subsequent instructions for off-line TELECOMMAND radiation sessions, not the otherway around.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-009**
AGENCY RID NUMBER:	**ESA-ESA-09**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:		PARAGRAPH NUMBER:	**3.2.9.2**
RID SHORT TITLE:		**AdditionalParameter#dataType**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Shouldn't the data type or at least a set of data types be specified for the additional parameters? Otherwise there will be interoperability problems for types like time, duration, floating point number etc. the definition could allow an extension.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: The recommendation has this exposed intentionally as an extenstion point for implementations to use as needed. Therefore any type defintions are subject to an ICD.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-010**
AGENCY RID NUMBER:	**ESA-ESA-10**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER:	PARAGRAPH NUMBER: **None**
RID SHORT TITLE:	**File Name of the Simpel Schedule**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
Shall the specification mandate a file name for the simple schedule in case it is put into a file? According to operations such lack of definition is labour intensive, since it has to be included in every dedicated agreement

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: Any filenaming standardization that occurs will be as part of the generic file transfer recommendation.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-011**
AGENCY RID NUMBER:	**ESA-ESA-11**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
REVIEWER'S NAME:	**Holger Dreihahn**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER:	PARAGRAPH NUMBER: **3.2**
RID SHORT TITLE:	**Only a gobal schedule status - not per Scheduled Activity**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
With only a global schedule status it is not possible to include in one schedule a mix of OPERATIONAL (or committed, frozen or whatever) and PROVISIONAL Scheduled Activities; however for longer schedules it may be necessary to include a different status per Scheduled Activity. Typically the more the schedule is into the future the more provisional items are there.

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)   RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.   EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Add a parameter to the ScheduledActivity class that can be used to indicate how firm that individual activity is. I would suggest two possible values for this;
COMMITTED indicating that, baring unforeseen circumstances, the activity will go ahead
TENTATIVE indicating that the activity is currently scheduled but may still be subject to change
Use of this parameter would (could ?) be independent of the overall Schedule Status contained in the header, i.e. it would be possible to have a PROVISIONAL Schedule which contained COMMITTED activities. I think this makes sense since it is possible that even though a Schedule has not been completely finalised it may already be known that certain activities are required to take place in the time span covered by the Schedule. However I'm open to other approaches.
The use of this additional parameter could also be extended to the classification of UNUSED time as per RID JMS02 from CNES. In this case two additional values could be defined for use in the case where the ScheduledPackage user is NETWORK (as per the agreed update with respect to the user for UNUSED time) and the ServiceInfo serviceType is UNUSED. These values would be;
AVAILABLE indicating that the antenna could be scheduled during the UNUSED time.
UNAVAILABLE indicating that the antenna is completely unavailable during the UNUSED time.
My inclination would be to make this a mandatory parameter rather than optional. Although there are obviously sensitivities about revealing UNUSED time in certain Networks I don't believe that categorising UNUSED time into AVAILABLE and UNAVAILABLE makes a significant difference here as it is not mandatory to publish any information about UNUSED time in the Simple Schedule.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-012**
AGENCY RID NUMBER:	**ESA-ESA-12**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER:	PARAGRAPH NUMBER: **N/A**
RID SHORT TITLE:	**Schedule Conflicts**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
This schedule format does not allow to express schedule conflicts. For some networks schedule conflicts are part of the process. Is that needed?

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: It is true that there are conflicts that need sorting out but the recommendation is scoped only for publication of schedules not to support various conflict resolution schemes.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-013**
AGENCY RID NUMBER:	**ESA-ESA-13**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER:	PARAGRAPH NUMBER:
RID SHORT TITLE:	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Withdrawn: Blank RID accidently submitted.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-014**
AGENCY RID NUMBER:	**ESA-ESA-14**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-3	PARAGRAPH NUMBER:	3.2.3.1
RID SHORT TITLE:		**SimpleSchedule content vs. Time range**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

This paragraph state : "service packages that have been scheduled in the time interval bounded by the SimpleSchedule parameters scheduleStartTime and scheduleEndTime.". Service package overlapping, the start/end boundary or the complete range shall be included.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

If boundary service package are not included they will be lost when planning process works on non-overlapping contiguous range. E.g. if the criteria is that service must be fully contain in the range, a Sunday to Monday package will never appears in a weekly schedule (Monday to Sunday) . The provider shall make sure that ALL events concerning the range are present. Strict filtering, if needed, shall be done by the end user.

DISPOSITION:

Accepted: Document to be updated accordingly

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-015**	
AGENCY RID NUMBER:	**ESA-ESA-15**	
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**	
REVIEWER'S NAME:	**Martin Unal**	
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DOCUMENT NUMBER:	**902.1-R-1**	
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:	**September 2014**	
PAGE NUMBER:	**3-3**	PARAGRAPH NUMBER:	**3.2.3.5**
RID SHORT TITLE:	**TEST is a service, not a user.**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Replace TEST by NETWORK to map any activity under the service provider responsibility (e.g., Test, Maintenance, Upgrade,…).
Note: Also impact paragraph C2.3 page C-4 (SCCS-SM user registry)

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
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EDITORIAL: Typographical or other factual error needing correction.
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SUPPORTING ANALYSIS:

TEST is a service which can be link to a Mission (User shall be the SANA registry). A dedicated user name for the provider activity is highly recommended to map major downtime. It is important for user to know when the ressource they rely on are going not available, even in case of emergency, to be able to coordinate downtime with their different provider (e.g. If all your external providers intend to do major upgrade at the same time, you want to be informed)

DISPOSITION:

Accepted: See also RID CSSM-065

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-016**
AGENCY RID NUMBER:	**ESA-ESA-16**
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-7	PARAGRAPH NUMBER:	3.2.7.3

RID SHORT TITLE:	**In serviceType, remove RANGING, TELECOMMAND and TELEMETRY. Replace by TTC, SHADOWTRACK**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

New enumeration shall be :
– DELTADOR
– OFFLINE-TM
– TTC
– SHADOWTRACK
– RESERVED
– TBD
– TEST
– UNUSED

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

From ESTRACK experience, user express the need for downlink only (e.g.
shadow track, MSPA, time tag science dump,…) or full Telemetry and
Telecommand support (TTC).
It is seen by the user as an overhead to request TM and TC and RANGING
indenpendantly. RANGING is usually driven by other technical agreement and
can be implicitly deduced from the request. If more flexibility is required
optional parameter (e.g. Ranging yes/no) shall be used.
In addition, SHADOWTRACK implies that NO U/L shall take place. It is a very
useful information for network operator.

DISPOSITION:

Rejected: See RID CSSM-069

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-017**	
AGENCY RID NUMBER:	**ESA-ESA-17**	
SUBMITTING ORGANIZATION (Agency, Center):	**ESA**	
REVIEWER'S NAME:	**Mehran Sarkarati**	
CODE:		
E-MAIL ADDRESS:	**Mehran.Sarkarati@esa.int**	
TELEPHONE:		
DOCUMENT NUMBER:	**902.1-R-1**	
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:	**September 2014**	
PAGE NUMBER:	PARAGRAPH NUMBER:	**General**
RID SHORT TITLE:	**Define The data entities as CCSDS MO Common Object Model (COM) objects.**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The Simple Schedule data Model, captures well the required information model with entities and their attributes. It is proposed to specify these entities as CCSDS MO COM objects, so that:
- They can be inter-related to other COM obejcts
- They can be persisted in in the same COM Archive together with other Mission Operation related data (e.g. commands, TM, events, Alerts, planning requests, Plans, Schedules ...)
- Same mechanism for query and retrieval can be used

Please note, the proposed change has no impact on the actual Information Model of the simple schedule, as it pertains to META DATA only.
This is in particular relevant in view of the envisaged MO Planning Service. The idea behind the Common Object Model is by adding few META DATA to each entity (unique ID, source and relates to), facililtate the above mentioned objectives.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___	Recommended ___	Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

See above

DISPOSITION:

Withdrawn:

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-018**
AGENCY RID NUMBER:	**NASA-01**
SUBMITTING ORGANIZATION (Agency, Center):	**JPL**
REVIEWER'S NAME:	**Mark Johnston**
CODE:	
E-MAIL ADDRESS:	
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-2**	PARAGRAPH NUMBER:	
RID SHORT TITLE:		**Table 3-1 scheduleStatus is too limiting**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The specified enumeration (TEST, PROVISIONAL, OPERATIONAL) is too limiting: OPERATIONAL schedules can be conditional, e.g. with/without occurrence of a trajectory correction maneuver, or representing a launch delay. These may be equally "operational" but need to be distinguished from each other in some well-defined way. Given the specified intent of this standard to be applicable in mission design and planning stages, the status should allow more general values.
Recommendation:
1) add another enum value "OTHER" to represent status other than TEST, PROVISIONAL, or OPERATIONAL
2) add a optional sub-element String1024 to scheduleStatus that allows for extension by agreement of involved parties. This could be present for any status value, as supplemental information. Alternatively, one could add an xsd:any subelement to represent more complex status conditions.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: The following modfications will be made: schedule status will include the OTHER enumeration, and will include an optional parameter of "purpose" which can be subject to ICD.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-019**
AGENCY RID NUMBER:	**NASA-02**
SUBMITTING ORGANIZATION (Agency, Center):	**JPL**
REVIEWER'S NAME:	**Mark Johnston**
CODE:	
E-MAIL ADDRESS:	
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER: **3-2**	PARAGRAPH NUMBER:
RID SHORT TITLE:	**Table 3-1 scheduleVersion should not require increment by one, just increasing**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
Version number should be increasing but not required to increment by exactly one when generated. This places an undue burden on the originator. NASA DSN incorporates multiple changes to the schedule as internal "version" numbers, then releases some but not all of these schedules when certain conditions are met. Keeping a separate record of incremented-by-one versions does not add value.
Recommendation: remove the "increments by one" sentence

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Accepted: Document to be updated accordingly

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-020**
AGENCY RID NUMBER:	**NASA-03**
SUBMITTING ORGANIZATION (Agency, Center):	**JPL**
REVIEWER'S NAME:	**Mark Johnston**
CODE:	
E-MAIL ADDRESS:	
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-2	PARAGRAPH NUMBER:	
RID SHORT TITLE:		**Table 3-1, semantics of scheduleStartTime, scheduleEndTime**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The semantics of start and end time need to be specified with regard to content. Are ScheduleActivities in the schedule required to be fully contained in the start/end interval, or just overlap, or just start within but end afterwards? Different generation processes and policies could lead to any of these possibilities, and so the schedule format should allow for these as different self-describing options.
Recommendation: include appropriate metadata to indicate schedule boundary semantics - see separate recommendation on this topic (#4 below).

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Accepted: See RID CSSM-014

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-021**
AGENCY RID NUMBER:	**NASA-04**
SUBMITTING ORGANIZATION (Agency, Center):	**JPL**
REVIEWER'S NAME:	**Mark Johnston**
CODE:	
E-MAIL ADDRESS:	
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-2	PARAGRAPH NUMBER:	
RID SHORT TITLE:		**Table 3-1, missing schedule metadata from SimpleSchedule class**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Issue: additional metadata is required to adequately interpret schedule content and, equally important, lack of content. The schedule should be self-describing with regard to scope, in such circumstances as:
a) all scheduled activities for a single specified user (all MEX tracks for a week)
b) all scheduled activities for a set of assets and users (all Mars missions with coordinated MSPA activities, for a week; or all Cluster II activities involving any of the 4 S/C)
c) scheduled activities of a specified type for one or more users (e.g. DDOR activities representing cross supports between NASA and ESA)
d) whether activities that fall partially in the schedule time range are include in scheduled packages, or omitted, and under what conditions
Recommendation: add (optional) elements to specify the following information to the SimpleSchedule class:
early boundary: whether the schedule includes activities that overlap the boundary (activity start before schedule start, and activity end at or after schedule start) or only those that are fully contained (activity start and end at or after schedule start). The cases "at" and "before" should be distinguished as well.
late boundary: whether the schedule includes activities that overlap the end time boundary (activity start at or before schedule end) or only those that are fully contained (activity end at or before schedule end). The cases "at" and "before" should be distinguished as well.
full/limited with respect to activities for users/assets: whether the schedule contains all activities pertaining to a particular user or asset, or only a subset. If full, then the recipient may infer that the absence of a scheduled activity at some time on some asset means that such an activity is not scheduled (as opposed to scheduled but not included in the reported schedule). For example, for coordinating Mars multiple spacecraft per aperture activities between NASA and ESA, it is essential to know whether all participating Mars missions are included in a schedule snapshot, or only a subset.
full/limited with respect to free time for users/assets: whether the schedule contains free time for a particular user or asset, or only a limited set. This would allow the recipient to interpret the absence of free time as meaning none is available, vs. it may be available but was not reported.

CATEGORY OF REQUESTED CHANGE:

Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

**Accepted: (Partially). Optional scheduleDescripton parameter added to the
SimpleSchedule class which can be used to expressed filter views and
criteria (free form string potentially subject to ICD)**

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-022**
AGENCY RID NUMBER:	**NASA-05**
SUBMITTING ORGANIZATION (Agency, Center):	**JPL**
REVIEWER'S NAME:	**Mark Johnston**
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TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-3	PARAGRAPH NUMBER:	3.2.3.5
RID SHORT TITLE:		**SchedulePackage allows only one user, should allow multiple**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Issue: ScheduledPackage allows only a single user, but some scheduled activity groupings are intrinsically multi-user and should be included in a single scheduled package. Examples include:
1) multiple spacecraft per aperture, all tracked by a single asset and orchestrated among the multiple distinct users
2) constellation activities involving multiple user spacecraft in proximity with coordinated scheduled activities
Recommendation:
1) make 'user' optional at the ScheduledPackage level, add an additional 'user' element at the ScheduleItem level to allow different users to participate in the same ScheduledPackage. The ScheduleItem level would be an override on the ScheduledPackage level value.
2) allow multiple servicePackageXRef elements in the ScheduledPackage, to support the situation where scheduledActivity items come from and refer to different service agreements and service packages

CATEGORY OF REQUESTED CHANGE:

        Technical Fact _**X**_   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: MSPA/cluster type situation can be represented as mutliple scheduledPackages.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-023**
AGENCY RID NUMBER:	**NASA-06**
SUBMITTING ORGANIZATION (Agency, Center):	**JPL**
REVIEWER'S NAME:	**Mark Johnston**
CODE:	
E-MAIL ADDRESS:	
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-3	PARAGRAPH NUMBER:	3.2.3
RID SHORT TITLE:		**ScheduledPackage should allow metadata for extensibility**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Issue: interpretation of semantics of ScheduledPackage is limited by lack of explicit information. ScheduledActivity items allow for additional parameters, and so should ScheduledPackage items.
Recommendation: add the capability to extend ScheduledPackage by including an optional 'additionalScheduledPackageParameter' element, containing one or more AdditionalParameter entries (analogous to the extensible parameters on serviceInfo and scheduledActivities). Values would be by agreement of involved parties.

CATEGORY OF REQUESTED CHANGE:

Technical Fact _**X**_   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: No specific rationale offered or undestood as to need for this.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		CSSM-024	
AGENCY RID NUMBER:		NASA-07	
SUBMITTING ORGANIZATION (Agency, Center):		JPL	
REVIEWER'S NAME:		Mark Johnston	
CODE:			
E-MAIL ADDRESS:			
TELEPHONE:			
DOCUMENT NUMBER:		902.1-R-1	
DOCUMENT NAME:		CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT	
DATE ISSUED:		September 2014	
PAGE NUMBER:	3-7	PARAGRAPH NUMBER:	3.2.7
RID SHORT TITLE:		ServiceInfo - serviceType and frequencyBand enum types are incomplete	
DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)			

Issue: the specified legal values do not encompass existing supported NASA
SCaN service types and frequency bands. See SCaN Network Service Catalog,
Rev 2, 6/17/2013, Table 3-1 (SCaN Services) and Table 3-2 (Frequency Bands
for SCaN Services)

Category Group Service
Near Earth & Deep Space
 Forward CLTU
Near Earth & Deep Space Forward File
Near Earth & Deep Space Forward Frame
South Pole Forward IP Datagram (HDLC)
Near Earth Forward IP
Near Earth & Deep Space Return All Frames
Near Earth & Deep Space Return Channel Frames
Deep Space Return Beacon Tone
Near Earth & Deep Space Return File
Deep Space Return Packet
Near Earth Return IP
South Pole Return IP Datagram (HDLC)
Near Earth & Deep Space Radiometric Validated
Near Earth Radiometric Raw
Deep Space Radiometric Delta DOR
Deep Space Science Radio Science
Deep Space Science VLBI/Radio Astro
Deep Space Science Radar
Deep Space Calibration Platform
Deep Space Calibration Media

Frequency Bands Usage
139.208 MHz Analog Service (VHF-Forward)
143.625 MHz Analog Service (VHF-Return)
2025–2110 MHz Earth Exploration-Satellite Service (EESS), Space Research
Service (SRS), Space Operations Service (SOS) Near Earth (S-Forward),
Space-to-Space and Earth-to-Space
2110–2120 MHz SRS Deep Space (S-Forward)
2200–2290 MHz EESS, SRS, SOS Near Earth (S-Return), Space-to-Space and
Space-to-Earth
2200–2345 MHz VLBI/Radio Astronomy Science (S-Return)
2290–2300 MHz SRS Deep Space (S-Return)
2360–2400 MHz Radar Science (S-Forward/Return)
7145–7190 MHz SRS Deep Space (X-Forward)
7190–7235 MHz SRS Near Earth (X-Forward)
8025–8400 MHz EESS (X-Return)
8200–8600 MHz VLBI/Radio Astronomy Science (X-Return)
8400–8450 MHz SRS Deep Space (X-Return)
8450–8500 MHz SRS Near Earth (X-Return)
8500–8620 MHz Radar Science (X-Forward/Return)
12–18 GHz VLBI/Radio Astronomy Science (Ku-Return)
13.75–13.80 GHza SRS Near Earth (Ku-Forward), Space-to-Space
14.8909–15.1159 GHz SRS Near Earth (Ku-Return), Space-to-Space
18.0–26.5 GHz VLBI/Radio Astronomy Science (K-Return)
22.55–23.55 GHz SRS Near Earth (Ka-Forward), Space-to-Space
25.25–27.50 GHz SRS Near Earth (Ka-Return), Space-to-Space
25.5–27.0 GHz EESS and SRS Near Earth (Ka-Return), Space-to-Earth
28–34 GHz VLBI/Radio Astronomy Science (Ka-Return)
31.8–32.3 GHz SRS Deep Space (Ka-Return)
34.2–34.7 GHz SRS Deep Space Radio Science (Ka-Forward)
37–50 GHz VLBI/Radio Astronomy Science (Ka/Q)-Return
aNTIA has restricted use of 13.75–13.8 GHz Ku-forward to the International
Space Station only. All other uses are on a case-by-case basis.

CATEGORY OF REQUESTED CHANGE:

Technical Fact _**X**_   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Accepted: (Partially). The frequency bands are informative at best; VHF and
UHF will be added.
However many of the services cited are either already in the umbrella of
the exising service defintions (eg., CLTU is a type of TELECOMMAND
service), or are not services (HDLC is protocol, not a type of service), or
are not part of the recognized cross-supported services (e.g, media
calbiration is not an exposed cross supported service for CCSDS) so no
changed will be made with respect to these.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-025**	
AGENCY RID NUMBER:		**NASA-08**	
SUBMITTING ORGANIZATION (Agency, Center):		**JPL**	
REVIEWER'S NAME:		**Mark Johnston**	
CODE:			
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TELEPHONE:			
DOCUMENT NUMBER:		**902.1-R-1**	
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:		**September 2014**	
PAGE NUMBER:	**3-10**	PARAGRAPH NUMBER:	**3.4**
RID SHORT TITLE:		**Antenna Free Time**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
Issue: although stated to be not user/spacecraft specific, this is contradicted by the example (which is user1-specific, due to the omission of the user2 contact). Rather than overload the 'user' parameter with the value 'UNALLOCATED', it would be better and easier to support user-specific free time. **Recommendation:** **In the ScheduledPackage class:** **1) allow 'user' to mean user or TEST, but not UNALLOCATED, and allow 'user' to be optional (to support multi-user ScheduledPackages, per #5 above)** **2) add new optional boolean element 'allocated' where a value of false indicates unallocated or free time** **Then the interpretation of a ScheduledPackage with allocated=false and no user specified would be that the specified free time intervals apply to all users, whereas if the user is specified then the interpretation would be that such intervals apply only to the indicated user.** **This would change the a) item in para 3.4.2.1 as follows:** **When specifying Antenna Free Time in the Simple Schedule Format,** **a) the allocated parameter shall have the value 'false' to indicate free time, and the user parameter may be omitted to indicate the time is free for all users, or may have a specific user specified to indicate the time is free only for that specific user** **b) c) … unchanged …**

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: re cleaning up the digram; "user1 antenna free time" will be
revised to be just "antenna free time" as the diagram is incorrect.
The remainder of the RID is not accepted.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-026**
AGENCY RID NUMBER:	**NASA-09**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
REVIEWER'S NAME:	**Al Levine**
CODE:	
E-MAIL ADDRESS:	**allen.j.levine@nasa.gov**
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-8	PARAGRAPH NUMBER:	3.2.9
RID SHORT TITLE:		**Priorities**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Presumably, this is where priorities (especially mission priorities) would show up?

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Yes the additional parameter may be used to express priorities. No change to recommenation.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-027**
AGENCY RID NUMBER:	**NASA-10**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
REVIEWER'S NAME:	**Al Levine**
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TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-10**	PARAGRAPH NUMBER:	**3.4.2.2**
RID SHORT TITLE:		**Antenna Freetime**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

This is not necessarily correct. TDRS SA antenna is committed from beginning of antenna slew, not from beginningoftrack (which I believe is the start of service).

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended **_X_**   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: The note will be clarified to indicate the information bookmarking function in the case of antenna free time (ie, this can indeed include start antenna slew)

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-028**
AGENCY RID NUMBER:	**NASA-11**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
REVIEWER'S NAME:	**Al Levine**
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E-MAIL ADDRESS:	**allen.j.levine@nasa.gov**
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-10**	PARAGRAPH NUMBER:	**3.4.2.1.c**
RID SHORT TITLE:		**Multi-band Antenna Case**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

What about the use of a multi-band antenna? It could be free for one band and not another, with ability to support both (under the proper circumstances, e.g., the SN virtual platform scenario) simultaneously.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: For the multi-band allocated case the recommendation accomdates this. In the case where one user is allocated the antenna the antenna on the other band(s) is not truly unallocated (pointing considerations etc.). See also response to RID CSSM-043

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-029**
AGENCY RID NUMBER:	**NASA-12**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
REVIEWER'S NAME:	**Al Levine**
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E-MAIL ADDRESS:	**allen.j.levine@nasa.gov**
TELEPHONE:	
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-7**	PARAGRAPH NUMBER:	**3.2.7.3**
RID SHORT TITLE:		**New Data Type**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

In Table 3-5, for data Type, suggest adding "RF only".

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended **_X_**   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Document to be updated accordingly

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-030**
AGENCY RID NUMBER:	**NASA-13**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-5	PARAGRAPH NUMBER:	3.2.5.3
RID SHORT TITLE:		**Track Duration**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

In Table 3-4, if "beginningOfActivity" (and "endOfActivity") not present, then service provider may assume pre (and post) track duration is (are) zero.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Yes, that is correct with the understanding that is the service user, not service provider. No change to document.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-031**
AGENCY RID NUMBER:	**NASA-14**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-3**	PARAGRAPH NUMBER:	**3.2.3.5.a**
RID SHORT TITLE:		**User Type**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Suggest change from "a spacecraft (the typical case);" to "a platform (typically a spacecraft);"

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___ Recommended **_X_** Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: The recommendation has no restriction against use of non-spacecraft "platforms" but the current wording conveys the typical case for member agencies.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-032**
AGENCY RID NUMBER:	**NASA-15**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER: **3-1**	PARAGRAPH NUMBER:
RID SHORT TITLE:	**extensibility parameters for simple schedule**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Figure 3-1 is the class diagram for the Simple schedule. It includes optional additional parameters for the Scheduled Activity class and for the Service Info class.
I recommend also including optional additional parameters for the SimpleSchedule class and possibly also for the Service Package class.
This would allow networks to include additional schedule-level metadata in the simple schedule if it is needed.

CATEGORY OF REQUESTED CHANGE:

        Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: It is appreciated that this may help with implementations but there is also the concern of copious additional parameters diluting the standardization capabilities.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-033**
AGENCY RID NUMBER:	**NASA-16**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-1**	PARAGRAPH NUMBER:	**3.2**
RID SHORT TITLE:		**Simple Schedule Content/Structure UML Class Diagram**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
In the diagram, classes are represented with boxes which contain two parts: **•The top part contains the name of the class.** **•The middle part contains the attributes of the class.** **In standard UML notation there is typically a third part that gives the methods or operations the class can take or undertake. In none of the classes is there any indications that any methods or operations are used in the design. Is this accurate?**

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: No change to the document. UML is being employed properly to indicate no operations (because this is not a service) but only a data format.

CCSDS RID NUMBER:		**CSSM-034**
AGENCY RID NUMBER:		**NASA-17**
SUBMITTING ORGANIZATION (Agency, Center):		**NASA**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	1-2	PARAGRAPH NUMBER: **1.3.2**
RID SHORT TITLE:		**Incomplete Use Cases**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

From a model based systems engineering (MBSE) perspective the Use Cases in this section are incomplete and in accordance with best practices the following elements are essential for a complete Use Case:
•Actor – anyone or anything that performs a behavior (who is using the system)
•Stakeholder – someone or something with vested interests in the behavior of the system under discussion (SUD)
•Primary Actor – stakeholder who initiates an interaction with the system to achieve a goal
•Preconditions – what must be true or happen before and after the use case runs.
•Triggers – this is the event that causes the use case to be initiated.
•Main success scenarios [Basic Flow] – use case in which nothing goes wrong.
•Alternative paths [Alternative Flow] – these paths are a variation on the main theme. These exceptions are what happen when things go wrong at the system level.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___	Recommended _**X**_	Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: Formal MBSE is not claimed for this recommendation and restriction to UML class diagrams only is noted in section 1.7.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-035**
AGENCY RID NUMBER:	**NASA-18**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-1 - 3-3	PARAGRAPH NUMBER:	
RID SHORT TITLE:		**SimpleSchedule/SchedulePackage**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The Class SimpleSchedule is mandatory. However, the SchedulePackage is optional.
a) Recommendation: Include a specific requirement that states the SchedulePackage shall be required for SimpleSchedule where scheduleStatus is PROVISIONAL or OPERATIONAL.
b)   Rationale: Currently, a PROVISIONAL or OPERATIONAL SimpleSchedule without a SchedulePackage would meet the recommended standard, but provide insufficient schedule information to be useful.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: See RID CSSM-001

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-036**
AGENCY RID NUMBER:		**NASA-19**
SUBMITTING ORGANIZATION (Agency, Center):		**NASA**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**3-2**	PARAGRAPH NUMBER:
RID SHORT TITLE:		**Security Meta-data Parameters**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Table 3-1 From: NA –
To: Add parameters for Security classification/level, Security limitation code(s), Security/Schedule verification code(s)
The increasing move towards Internet-style communications systems and away from proprietary/private point-to-point horizontal communications infrastructure mandates a mechanism for verifying a schedule has not been tampered with and validating its contents against what was generated and sent by the originator. Technical Fact

CATEGORY OF REQUESTED CHANGE:

Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: Security levels are not well defined in an interagency context and are far outside the scope of this recommendation to establish. Security considerations are indicated in Annex C.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-037**
AGENCY RID NUMBER:		**NASA-20**
SUBMITTING ORGANIZATION (Agency, Center):		**NASA**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**1-3**	PARAGRAPH NUMBER: **1.3.2.4**
RID SHORT TITLE:		**Unallocated Time Schedules**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

From: "Although not addressing the method by which the usage of unallocated resources can be requested, this Recommended Standard can be used to publish a network's unallocated time schedule. It can also be used to inform a mission of the result of a request to use an unallocated resource." –
To: "Although not addressing the method by which the usage of unallocated resources can be requested, this Recommended Standard can be used by non-classified networks who comply with its contents to publish an unclassified network's unallocated time schedule. It can also be used to inform an unclassified mission of the result of a request to use an unallocated unclassified resource."
See RIDs for Sections 1.1.1 and 1.1.2

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: The recommendation does not require publication of unallocated time. It is up to the adopting networks to restrict/filter information for inclusion in the publication (or not). This may include not publishing unallocated time.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-038**
AGENCY RID NUMBER:	**NASA-21**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	1-3	PARAGRAPH NUMBER:	1.3.2.3
RID SHORT TITLE:		**Usefulness without full dissemination**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
From: "This Recommended Standard has been designed to be flexible enough to be able to cope with the different policies of the various agencies with respect to the information they wish to provide in disseminating their network schedules." –   **To: "This Recommended Standard has been designed for those networks that comply with its tenets and disseminate network schedules consistent with the content of the standard. Non-compliant networks are not addressed by this standard."**   **By definition, an agency cannot execute the standard and deviate from it simultaneously.**

CATEGORY OF REQUESTED CHANGE:
Technical Fact _**X**_   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)   RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.   EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: The implementing organziation decides whether or not to adopt the recommended standard. The standard can not a priori determine what is a non-compliant network.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-039**
AGENCY RID NUMBER:	**NASA-22**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-7**	PARAGRAPH NUMBER:	
RID SHORT TITLE:		**Frequency Band needs alpha-numeric**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
Table 3-5 From NA - **To: Add alpha-numeric support for Frequency Band** **Although a band is included (frequency Band) the enumerated values do not conform to alpha-numeric value types (S1, X1, X2, etc…)**

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: The additional service parameter can be used for the band sub-qualification if needed and was done in prototype testing with, for example, NEN Schedule for Solar B. N/A is a legitimate value where frequency is not required (e.g, unallocated time, off-line telemetry).

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-040**
AGENCY RID NUMBER:	**NASA-23**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER: 3-7	PARAGRAPH NUMBER:
RID SHORT TITLE:	**TR Code**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

From NA -
To: Add TR Code
The schedule doesn't appear to provide a TR code. This is a numeric code (1-99) prefixed by "TR" that is used to designate a specific station/antenna configuration for a given mission. There is an item called "service type" that lists some of the information that TR code may represent but not all is listed there.

CATEGORY OF REQUESTED CHANGE:

Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: The use of TR codes can be accomdated by use of additional service parameter (and was prototyped for NEN).

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-041**
AGENCY RID NUMBER:		**NASA-24**
SUBMITTING ORGANIZATION (Agency, Center):		**NASA**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	1-1	PARAGRAPH NUMBER:	**1.1.1, 1.1.2**
RID SHORT TITLE:		**Simple Schedule Security implications**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To: "..." format)

From: NA –
To: "The simple schedule format contains imbedded security information to provide definitive indications of the sensitivity the information should be handled with."
Aggregation of allocated and free time on any network creates a security vulnerability that can be exploited. The absence of this consideration throughout this document, combined with the absence of any detailed discussion of common security practices between different governments, creates a potential breach. The scope does not address the security extensions required for networks supporting classified and unclassified users simultaneously. The designation of user information, as depicted in Figure 3-3, provides information otherwise not available to hostile agents.

CATEGORY OF REQUESTED CHANGE:

Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: As noted in the document it is not mandatory for the schedule to contain indications of unallocated times. Indeed it is up to the schedule generating agency to determine how much information there are willing to provide in the schedule. See also RIDs CSSM-036, CSSM-037 and CSSM-038

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-042**
AGENCY RID NUMBER:	**NASA-25**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-6	PARAGRAPH NUMBER:	3.2.6
RID SHORT TITLE:		**Does the AdditionalActivityParameter support flexible scheduling parameters?**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

It is unclear to me if the AdditionalActivityParameter allows for the inclusion of such "flexible" parameters, currently used within NASA's SN, such as service minimum duration, service plus/minus tolerance, bounding by another service within the track, etc.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: This is an output publication format, and likely the times are fixed by time of publication. Even though the additional parameter could support this for ouptut it is not recommended to do so. No change to docment.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-043**
AGENCY RID NUMBER:	**NASA-26**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
REVIEWER'S NAME:	**Howard Michelsen**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-10	PARAGRAPH NUMBER:	3.4
RID SHORT TITLE:		**Antenna Free Time needs further detail**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The frequencyBand parameter would be more useful to potential user if the free time antenna's frequency band were specified.
For example, NASA's Space Network TDRS satellites Single Access (SA) antennas can support S-band, Ku-band, and some can support Ka-band, but not all TDRS satellites can do that.
When a user wants to use Antenna Free Time, and sees that, for example, TDRS-6 SA antenna 1 is free, but it cannot support Ka band. The potential user would not know that until, possibly, too late to make use of the Free Time.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: For the case of unused time it shall be possible (but not mandatory) to specify a frequency band. This would be done as follows (NOTE what is suggested also requires the addition of the value ALL to the permitted frequencyBand values);
To specify unused time on a particular ban of an Antenna the following would need to be specified;
ScheduledPackage.user NETWORK   (as per agreed updates)
ScheduledActivity.StationRef specify the Station
ScheduledActivy.AntennaRef specify the Antenna   (NOTE: This parameter will be mandatory after the update)
ServiceInfo.frequencyBand specify the Band or ALL (ALL being specified if all frequency bands supported by the antenna are UNUSED)
ServiceInfo.serviceType UNUSED

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-044**
AGENCY RID NUMBER:	**NASA-27**
SUBMITTING ORGANIZATION (Agency, Center):	**NASA**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**
PAGE NUMBER: **throughout**	PARAGRAPH NUMBER:
RID SHORT TITLE:	**Use of term "spacecraft" not accurate**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

NNASA's Space Network supports communications between not only spacecraft, but balloons, ships, aircraft, and stationary Earth-based platforms. Recommend a sentence be added to section 1.5 Definitions to explain that the term "spacecraft" is used as a generalized term, and also can refer to any platform that can communicate with space-based relay satellite.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: See RID CSSM-031

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-045**
AGENCY RID NUMBER:		**IM-001**
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**3-3**	PARAGRAPH NUMBER:	**3.2.3**
RID SHORT TITLE:		**Additional optional spacecraft parameter**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
It is suggested to add an additional but optional parameter, after the "user" one, in order to be able to provide if desired an informal name to the official SANA spacecraft name. E.g. "Metop-B" or "M02" instead of "METOP1 S-)". This additional parameter is only intended for extra information, to complement the "user" name for the sake of clarification. The particular user to decide whether to use this field or not and to decide the "informal" spacecraft name. This could for ease of understanding.

CATEGORY OF REQUESTED CHANGE:
Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Accepted: An optional comment parameter will be added to the ScheduledPackage class that may be used for the provision of "informal" spacecraft names or other ad hoc information.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-046**
AGENCY RID NUMBER:		**IM-002**
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**
REVIEWER'S NAME:		**Inigo Madurga**
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TELEPHONE:		**+ 49 6151 807 7284**
DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**All**	PARAGRAPH NUMBER:	**All**
RID SHORT TITLE:		**Defining optional spacelink parameters in the CCSDS standard for ease of s/c – ground station compatibilities checks and resource allocation.**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
It is understood that the usage of additional parameters is not within the scope of this document. However it is likely (or could be very useful) that a CCSDS Simple Schedule received from a user will be ingested in the service provider (or Agency) ground station network resource planner for assigning ground station allocation. Compatibility of a given spacecraft with a particular ground station has to be performed first, prior to that. This could be useful for both mission design and mission planning cases. Therefore it is suggested to predefine in the specification a list of optional parameters regarding the main spacelink characteristics in order to ease cross checking user requests with service provider ground station compatibility. Parameters proposed could be for example frequency, polarisation, bandwidth o data rate for each link (uplink, several downlinks). The user/service provider to decide whether they fill out these parameters or not but having them at least having them defined in the standard could be useful.   **In which CLASS should they best be defined is possibly to be discussed. They could go for example into ServiceInfo, AdditionalServiceParameter or as AdditionalParameter.**

CATEGORY OF REQUESTED CHANGE:
Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)   RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.   EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: As written. However clarification to be added to the introduction.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-047**	
AGENCY RID NUMBER:		**HH-01**	
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**	
REVIEWER'S NAME:		**Hayley Higgins**	
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TELEPHONE:		**+49-6151-807-4590**	
DOCUMENT NUMBER:		**902.1-R-1**	
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:		**September 2014**	
PAGE NUMBER:	**All**	PARAGRAPH NUMBER:	**All**
RID SHORT TITLE:		**Inconsistency in parameter ordering**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The ordering of the parameters within the document is inconsistent.
Example 1:
The ordering of the ScheduledActivity parameters in Table B-4 and Figure B-2 are consistent, however, they are not consistent with the Overview Figure 3-1.
Example 2:
The ordering of the SimpleSchedule parameters in Table B-1 is not consistent with Figure 3-1.
These are just a couple of examples. The ordering needs to be checked and updated throughout the whole document.

CATEGORY OF REQUESTED CHANGE:

       Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Ordering is to be consistent with UML class diagrams; ie UML class diagram has precedence.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-048**
AGENCY RID NUMBER:		**HH-02**
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**
REVIEWER'S NAME:		**Hayley Higgins**
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TELEPHONE:		**+49-6151-807-4590**
DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**D-1**	PARAGRAPH NUMBER:	**Annex D**
RID SHORT TITLE:		**Abbreviations List**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
It would benefit the reader/reviewer if the "Abbreviations List" was inserted into the front of the document.

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___ Recommended ___ Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: Not per standard CCSDS template.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-049**
AGENCY RID NUMBER:		**HH-03**
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**
REVIEWER'S NAME:		**Hayley Higgins**
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TELEPHONE:		**+49-6151-807-4590**
DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**D-1**	PARAGRAPH NUMBER: **Annex D**
RID SHORT TITLE:		**Abbreviations List is incomplete**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The "Abbreviations List" needs to be updated.
For example, the following are a few of those that are omitted:
SCCS SM   Space Communication Cross Support Service Management
ICS   Implementation Conformance Statement
RL   Requirements List
AD   Area Director
DAD   Deputy Area Director
Please update the abbreviations list with the above and check the document for any other omissions.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Accepted: Abbreviations to be checked and updated

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-050**
AGENCY RID NUMBER:	**HH-04**
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**
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TELEPHONE:	**+49-6151-807-4590**
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**B-7**	PARAGRAPH NUMBER:	**Figure B-3**
RID SHORT TITLE:		**Alignment of files**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

EUMETSAT exchange files with both NASA (WOTIS/NENSE) and NOAA at least 3 to 4 times per week. Each of these exchanges use completely different file formats.
Unfortunately I cannot align either of the file formats to the example shown in figure B-3.
Were these files taken into consideration when this "Simple Schedule Format Specification" was specified?
Example 1 (NASA - WOTIS / NENSE)
Various filenames used (depending on when the exchange takes place):
10/16/2014 02:43   5,100 imetB2014307D07.124214
10/17/2014 12:55   10,100 smetb2014307d07.165236
10/06/2014 02:28   5,700 umetB2014279D7.122726
File content:
W1445-105,MEB,MG1,2014307002000,2014307003033,TR1,11029,X1
W1445-106,MEB,MG1,2014307020332,2014307021149,TR1,11030,X1
.
.
.
.
W1445-112,MEB,MG1,2014307121422,2014307122727,TR1,11036,X1
W1445-113,MEB,MG1,2014307135443,2014307140748,TR1,11037,X1
W1445-114,MEB,MG1,2014307153447,2014307154745,TR1,11038,X1
File specifications:
(please see separate pages below)
Example 2 (NOAA – Step Messages)
Various filenames used (depending on when the exchange takes place):
10/07/2014 10:36   2,410
xxxx_BOC_xx_IJPS_20141028000000_20141104000000_20141007203215_NOAA_step01_msg.txt
10/08/2014 10:51   2,584
xxxx_BOC_xx_IJPS_20141028000000_20141104000000_20141008085038_NOAA_step02_msg.txt
10/08/2014 04:52   2,653
xxxx_BOC_xx_IJPS_20141028000000_20141104000000_20141008144526_NOAA_step03_msg.txt
*   *   *   *   *   *   *   *   *   *   *   *   *
*   *   *
          REPORT DESCRIPTION : NOAA TO EUM (STEP03 MESSAGE) REPORT
REPORT FILE NAME :
xxxx_BOC_xx_IJPS_20141028000000_20141104000000_20141008144526_NOAA_STEP03_MSG.TXT
                      SESSION NAME : 2014300

```
                    REPORT CREATED DATE : 2014/281/14:45:26
                                         20141008144526
                         SESSION START : 2014/301/00:00:00
                                         20141028000000
                           SESSION END : 2014/308/00:00:00
                                         20141104000000
*     *     *     *     *     *     *     *     *     *     *     *     *
*     *
S/C_NAME   REV       CDA        AOS_TIME               LOS_TIME
ACCEPT/

REJECT
-------- --------- ------  --------------------  --------------------  -
--------
NOAA19     29475     SVL     2014/301/03:52:20     2014/301/04:08:00  G
2 F A
NOAA19     29489     SVL     2014/302/03:41:10     2014/302/03:57:00  G
2 F A
METOP1     10962     FBK     2014/302/06:11:40     2014/302/06:27:10  C
A
NOAA19     29503     SVL     2014/303/03:30:00     2014/303/03:45:50  G
2 F A
NOAA19     29517     SVL     2014/304/03:19:00     2014/304/03:34:40  G
2 F A
NOAA19     29518     SVL     2014/304/04:59:50     2014/304/05:15:40  G
2 F A
NOAA19     29531     SVL     2014/305/03:07:50     2014/305/03:23:30  G
2 F A
NOAA19     29532     SVL     2014/305/04:48:50     2014/305/05:04:30  G
2 F A
NOAA19     29545     SVL     2014/306/02:56:40     2014/306/03:12:30  G
2 F A
NOAA19     29546     SVL     2014/306/04:37:40     2014/306/04:53:30  G
2 F A
NOAA19     29559     SVL     2014/307/02:45:30     2014/307/03:01:20  G
2 F A
NOAA19     29560     SVL     2014/307/04:26:40     2014/307/04:42:20  G
2 F A
NOAA19     29563     SVL     2014/307/09:28:40     2014/307/09:44:30  G
2 F A
*+++++*+++++*+++++*+++++*+++++*+++++*+++++*+++++*+++++*+++++*+++++*+++++*++
+++*+++++*+++++*+++
2014.280.20:35
Jim sends:
Fairbanks will support METOP1 rev 10962 on the A antenna.
2014.281.08.48
All passes accepted.
Please confirm rev 29504 will be supported on a NOAA ground station as we
see this as a SVL blind support.
Jon sends.
2014.281.14:52
Jim sends:
N19 rev 29504 will be supported at our Wallops CDA.
*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*--
---*-----*-----*---
File specifications:
(please see separate pages below)
```

CATEGORY OF REQUESTED CHANGE:		
Technical Fact _**X**_	Recommended ___	Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
**Rejected: Analysis to be performed relative to test report and as to
ability to map to proposed standard.**
**The analysis has been carried out with respect to the prototype test report
and it has been confirmed that legacy formats have been considered in the
definition of the Simple Schedule Format. Examples Illsutrating this are
attached below.**

Example 1 – WOTIS/NENSE file specifications:

All schedule requests and responses are formatted in the same manner. The following definition convention applies to all request and schedule files exchanged between WOTIS and EPS MCC (Schedule Request, Strawman Schedule, Update Schedule, Confirmed Schedule, Final (Daily) Schedule).

Each entry in a file consists of the following information :

TAG #	PROJECT	FACILITY	BOS	EOS	ACTIVITY	ORBIT	BAND

Band Designator
X1,...,Xn
S1,...,Sn

Unique numerical value

Support Activity Code
TR1|...|TRn

End of Support
YYYYDOYHHMMSS

Beginning of Support
YYYYDOYHHMMSS

Facility Designator
(Support location)

Project Designator
(S/C)

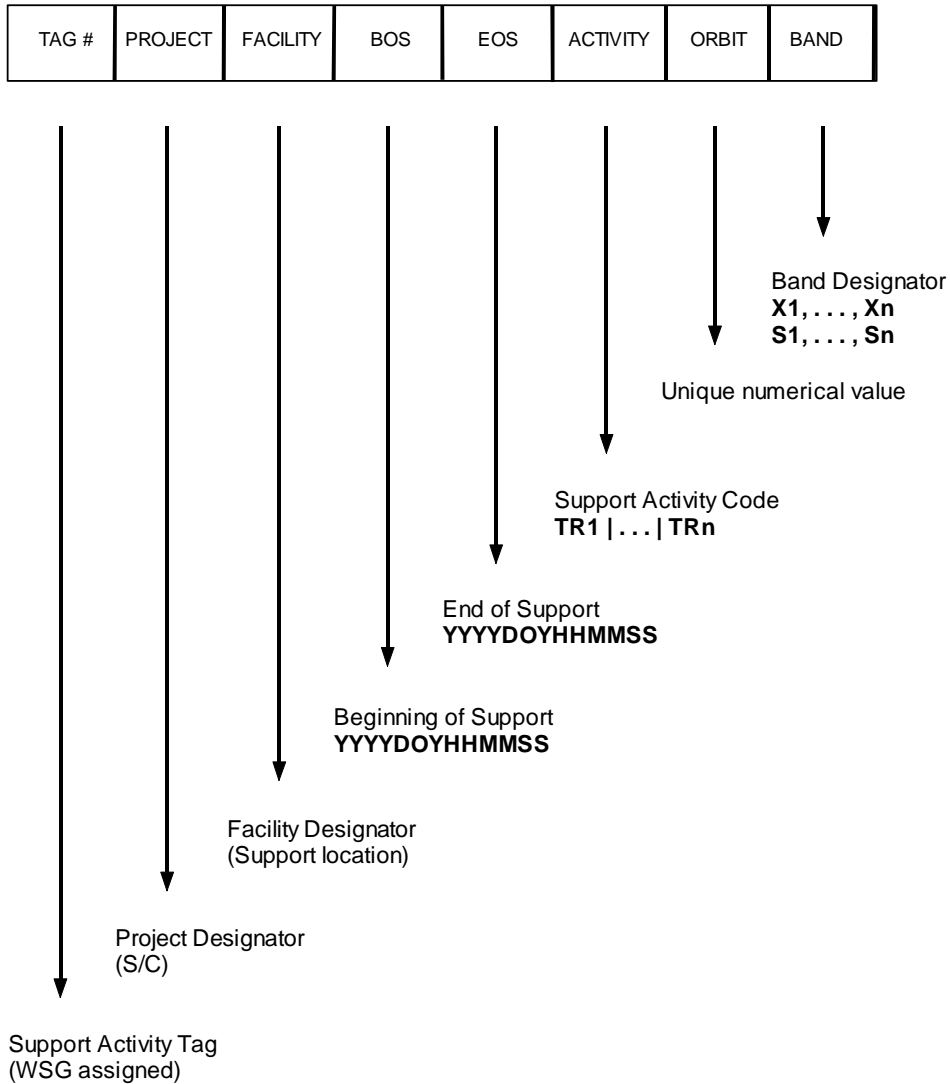Support Activity Tag
(WSG assigned)

Figure 1 Request/Schedule File Support Activity Definition Schematic

These fields are defined in the following table:

Item No.	Name	Format	Max Size (bytes)	Value(s)
1	Support Activity Tag	ASCII	13	Empty (Initial Request File) -- or -- ID number assigned by WOTIS (all other file types)
2	Project	ASCII	3	Fixed alphanumeric assigned by WOTIS for each mission
3	Facility	ASCII	3	"MG1"
4	Beginning of Track	GMT	13	Station equipment "ON" time
5	End of Track	GMT	13	Station equipment "OFF" time
6	Support Activity Code[3]	ASCII	4	TR1 to TR99 (options defined in advance by EPS MCC)
7	Orbit	ASCII	10	Monotonically increasing orbit counter
8	Band	ASCII	2	One of the following: "X0" = delete X-band support request "X1" to "Xn" (n possible X-band downlink frequencies "S1" = S-Band downlink

Table 1 Request/Schedule File Support Activity Fields Definition

Fields identified as GMT are specified as follows :

Field: yyyy/ddd:hh:mm:ss		Format (Size): ASCII (17 bytes)	Range:
yyyy	Year	ASCII (4 bytes)	1996 through 2100
ddd	Day of Year	ASCII (3 bytes)	001 through 366
hh	Hours	ASCII (2 bytes)	00 through 23
mm	Minutes	ASCII (2 bytes)	00 through 59
ss	Seconds	ASCII (2 bytes)	00 through 59

Table 2 Request/Schedule File GMT Field Definition

Example 2 – NOAA Step Messages file specifications:

In each of the Step Message Process messages, the same convention is used to define the requested support, with partners providing different aspects of the entry depending on whether they are requesting or providing the support.

The Request Entry Representation Convention for the Step Messages includes attributes and separating spaces, as follows:

SC NAME   followed by 5 blank spaces

REV NUMBER   followed by 3 blank spaces

CDA   followed by 7 blank spaces

AOS_TIME   followed by 6 blank spaces

LOS_TIME   followed by 1 blank space

Product   followed by 1 blank space

STX   followed by 1 blank space

DIR   followed by 4 blank spaces

ACCEPT/REJECT Flag

For example:

| SC NAME | CDA | | LOS_TIME | ACCEPT/REJECT Flag |

NOAA19   000151   SVL   2005/001/04:54:30   2005/001/05:10:30 P 3 R   A

| REV NUMBER | AOS_TIME | | Product | STX | DIR |

The attributes are defined in the following table.

Attribute Name	Description	Size in Characters	Column Position	Possible Values
SC Name	Spacecraft Name/ Number	6 alpha-numeric characters	1 – 6	NOAA18 NOAA19 METOP1 METOP2
Space	*Field separator*	*5 blank spaces*	*7 – 11*	
REV Number	Revolution/ Orbit Number	6 numeric characters	12 – 17	
Space	*Field separator*	*5 blank spaces*	*18 – 22*	
CDA	Command & Data Acquisition Site	3 alpha-numeric characters	23 – 25	FBK = NOAA Fairbanks SVL = EUM Svalbard
Space	*Field separator*	*7 blank spaces*	*26 – 32*	
AOS_TIME	AOS	17 characters	33 – 49	YYYY/DDD/HH:MM:SS
Space	*Field separator*	*6 blank spaces*	*50 – 55*	
LOS_TIME	LOS	17 characters	56 – 72	YYYY/DDD/HH:MM:SS
Space	*Field separator*	*1 blank space*	*73*	
Product	Name of Product	1 alpha-numeric characters	74	For SC Name = NOAA18 or NOAA19: G = GAC S = STIP P = SAIP C = Command only For SC Name = METOP1/2: *1 blank space*
Space	*Field separator*	*1 blank space*	*75*	

Attribute Name	Description	Size in Characters	Column Position	Possible Values
STX	Transponder used	1 alpha-numeric characters	76	For SC Name = NOAA18 or NOAA19: 1=STX-1 2=STX-2 3=STX-3 For SC Name = METOP1/2, or Product = C: *1 blank space*
Space	*Field separator*	*1 blank space*	*77*	
DIR	Direction of Playback	1 alpha-numeric characters	78	For SC Name = NOAA18 or NOAA19: F = Forward/FIFO R = Reverse/LIFO For SC Name = METOP1/2, or Product = C: *1 blank space*
Space	*Field separator*	*4 blank spaces*	*79 – 82*	
ACCEPT/ REJECT Flag	Flag indicating if request is accepted or rejected	1 alpha-numeric characters	83	A = ACCEPTED R = REJECTED C = CANCELLED

Examples illustrating that Simple Schedule can address the formats raised in RID CSSM-050

ANNEX B, "TEST RUN 1A XML FORMATTED FILE" of the test report shows an example schema file that maps the WOTIS/NEN schedule format to the Simple Schedule Format. By looking at the example file you can see the following mapping of information:

Example event from RID: WOXXX-XXXX,SOLB,MGS,2006-265T22:18:35.0Z,2006-265T22:28:34.0Z,TR1,0,S1

Mapped as follows:

Schema Parameter	Value	WOTIS/NEN-Parameter
\<originatingOrganization\>	WOXXX-XXXX	1-Support Activity Tag
\<generationTime\>	2006-257T15:11:28.2Z	
\<scheduleStartTime\>	2006-265T22:18:35.0Z	
\<scheduleEndTime\>	2006-266T00:01:47.0Z	
\<scheduledPackage\>		
\<consumer\>	SOLB	2-Project
\<scheduledItem\>		
\<stationRef\>	MGS	3-Facility
\<beginningOfActivity\>	2006-265T21:58:35.0Z	
\<beginningOfTrack\>	2006-265T22:18:35.0Z	4-Beginning of Track
\<endOfTrack\>	2006-265T22:28:34.0Z	5-End of Track
\<endOfActivity\>	2006-265T22:33:34.0Z	
\<activityType\>		
\<TELEMETRY\>	TRUE	
\<additionalParameter\>		
\<parameterName\>	supportActivityCode	6-Support Activity Code
\<parameterValueString\>	TR1	
\<additionalParameter\>		
\<parameterName\>	orbitNumber	7-Orbit
\<parameterValueString\>	0	
\<additionalParameter\>		
\<parameterName\>	bandDesignator	8-Band
\<parameterValueString\>	S1	

ANNEX B, "TEST RUN 2D-1 XML FORMATTED FILE" of the test report also maps a NOAA Satellite Interrogation Schedule (SIS), which is different from the NOAA messages referenced in the RID.

However, the NOAA messages referenced in the RID can be easily mapped into the Simple Schedule Format as follows:

Example message from RID : NOAA19 29475 SVL 2014/301/03:52:20 2014/301/04:08:00 G 2 F A

Schema Parameter	Value	NOAA-Parameter
<originatingOrganization>	NOAA	
<generationTime>	2014-281T14:45:26.0Z	1-Report Created Date
<scheduleStartTime>	2014-301T00:00:00.0Z	2-Session-Start
<scheduleEndTime>	2014-308T00:00:00.0Z	3-Session End
<scheduledPackage>		
<consumer>	NOAA19	4-SC Name
<scheduledItem>		
<stationRef>	SVL	6-CDA
<beginningOfTrack>	2014-301T03:52:20.0Z	7-AOS_TIME
<endOfTrack>	2014-301T04:08:00.0Z	8-LOS_Time
<orbitNumber>	29475	5-REV Number
<additionalParameter>		
<parameterName>	Product	9-Product
<parameterValueString>	G	
<additionalParameter>		
<additionalParameter>		
<parameterName>	STX	10-STX
<parameterValueString>	2	
<additionalParameter>		
<parameterName>	DIR	11-DIR
<parameterValueString>	F	
<additionalParameter>		
<parameterName>	Accept/Reject	12-ACCEPT/REJECT
<parameterValueString>	A	

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-051**
AGENCY RID NUMBER:	**HH-05**
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**All**	PARAGRAPH NUMBER:	**All**
RID SHORT TITLE:		**Time Code – Reference or Predicted**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Where a CCSDS ASCII Time Code B is being used, it should state whether the Reference Orbit time or the Predicted Orbit Time is to be used.
This is to avoid any potential error being introduced when converting from the orbit positions.

CATEGORY OF REQUESTED CHANGE:

Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Rejected: The time reference is UTC.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-052**
AGENCY RID NUMBER:	**HH-06**
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**
REVIEWER'S NAME:	**Hayley Higgins**
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TELEPHONE:	**+49-6151-807-4590**
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**All**	PARAGRAPH NUMBER:	**All**
RID SHORT TITLE:		**Filename specification**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The Filename Specification is not contained within the document.
If you think that the format does not need to be specified then there should be a paragraph/section somewhere stating that the filename specification is not important and any name format can be used.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Insofar as the filename is outside the scope of the recommended standard.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-053**
AGENCY RID NUMBER:	**SZ-01**
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**
REVIEWER'S NAME:	**Stephan Zinke**
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TELEPHONE:	**+49-6151-807-7111**
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**All**	PARAGRAPH NUMBER:	**All**
RID SHORT TITLE:		**reference notation**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

References are noted differently throughout the document. It is proposed to align this. Examples: p1-1: "[E1], [E2]", p1-5 "[4], [1]". This seems to be due to the fact that references are mentioned at 2 places, section 1.8 and Annex E.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___ Recommended ___ Editorial _**X**_

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)

RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.

EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: Sympathies noted for the reviewer but this is per the CCSDS publications manual.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-054**	
AGENCY RID NUMBER:	**SZ-02**	
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**	
REVIEWER'S NAME:	**Stephan Zinke**	
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DOCUMENT NUMBER:	**902.1-R-1**	
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:	**September 2014**	
PAGE NUMBER: **3-2, 3-3**	PARAGRAPH NUMBER:	**3.2.2.2, 3.2.3.5**
RID SHORT TITLE:	**String1024 too big?**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

It is questioned if describing parameters like originatingOrganisation or schedulePackageID really can be of String1024. It is believed that 1024 characters is too big. Or is it a general approach to use big strings for more or less any descriptive feature?

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: Shorter strings can be used in the XML instance documents.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-055**
AGENCY RID NUMBER:		**SZ-03**
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**
REVIEWER'S NAME:		**Stephan Zinke**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**3-3**	PARAGRAPH NUMBER: **3.2.3.2**
RID SHORT TITLE:		**zero SchedulePackages**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

What would be the scenario for having zero instances of ScheduledPackage associated to a SimpleSchedule? Does it make sense?

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: With respect to editorial clarification (allow for zero return on a query).

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		CSSM-056	
AGENCY RID NUMBER:		SZ-04	
SUBMITTING ORGANIZATION (Agency, Center):		Eumetsat	
REVIEWER'S NAME:		Stephan Zinke	
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TELEPHONE:		+49-6151-807-7111	
DOCUMENT NUMBER:		902.1-R-1	
DOCUMENT NAME:		CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT	
DATE ISSUED:		September 2014	
PAGE NUMBER:	3-3	PARAGRAPH NUMBER:	3.2.3.5
RID SHORT TITLE:		Element Naming	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

It is proposed to rename "schedulePackageID" to "schedulePackageId" to follow a consistent camle-case approach.

CATEGORY OF REQUESTED CHANGE:

       Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
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 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Document to be updated accordingly, pending check with schemaMaster (JVP)

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-057**
AGENCY RID NUMBER:	**SZ-05**
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-7	PARAGRAPH NUMBER:	3.2.7.3
RID SHORT TITLE:		**Enumeration complete?**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Is an enumeration missing here, for downloading the science data of an earth observation satellite, or is this included in TELEMETRY?

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: Rejected: It is included in the TELEMETRY enumeration. No change to the document.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-058**
AGENCY RID NUMBER:	**SZ-06**
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**
REVIEWER'S NAME:	**Stephan Zinke**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**B-1ff**	PARAGRAPH NUMBER:	**Annex B**
RID SHORT TITLE:		**versioning of XML schemata**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
It is proposed to use a version specification of the XML schema, such that any validating parser can check if the version of the XML instance is compliant with the version of the schema. **It would make it easier if evolving schema versions were to occur to check the validity of an XML instance against a specific schema (version).**

CATEGORY OF REQUESTED CHANGE:
Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:
Accepted: Document to be updated accordingly, pending further discussion with schemaMaster (JVP)

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-059**	
AGENCY RID NUMBER:		**SZ-07**	
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**	
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DOCUMENT NUMBER:		**902.1-R-1**	
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:		**September 2014**	
PAGE NUMBER:	**B-7**	PARAGRAPH NUMBER:	**B10**
RID SHORT TITLE:		**Example times**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

It is proposed to show in the example real values for the date-time-stamps, and not "0000-000T..."

CATEGORY OF REQUESTED CHANGE:

        Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Document to be updated accordingly.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-060**
AGENCY RID NUMBER:		**SZ-08**
SUBMITTING ORGANIZATION (Agency, Center):		**Eumetsat**
REVIEWER'S NAME:		**Stephan Zinke**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**3-2**	PARAGRAPH NUMBER: **3.2.2.2**
RID SHORT TITLE:		**Missing attribute for type of schedule**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

It is not clear how the distinction is made between the following 2 types of schedules: a) a schedule request from an agency to a reception station provider, b) a schedule confirmation from the reception station provider to the requesting agency.
It is thus proposed to add an element to the SimpleSchedule identifying this, e.g. named scheduleType allowing enumerations of "REQUEST", "CONFIRMATION" and "PLAN".

CATEGORY OF REQUESTED CHANGE:

        Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Rejected: The recommendation is only for publication of schedules; negotiation such request and response will be addressed by future recommendations. Note that scope is to be clarified as per response to RID CSSM-046

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-061**
AGENCY RID NUMBER:	**SZ-09**
SUBMITTING ORGANIZATION (Agency, Center):	**Eumetsat**
REVIEWER'S NAME:	**Stephan Zinke**
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TELEPHONE:	**+49-6151-807-7111**
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**All**	PARAGRAPH NUMBER:	**All**
RID SHORT TITLE:		**Missing satellite information?**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

It is not clear where the satellite information is provided in the schedule. This information is vital for a reception station provider to schedule the antenna.

CATEGORY OF REQUESTED CHANGE:

Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Withdrawn: RID withdrawn as per submitter

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-062**
AGENCY RID NUMBER:	**JMS01**
SUBMITTING ORGANIZATION (Agency, Center):	**CNES**
REVIEWER'S NAME:	**JM Soula**
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E-MAIL ADDRESS:	**jean-marc.soula@cnes.fr**
TELEPHONE:	**+33 5 61 27 46 47**
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**1-1**	PARAGRAPH NUMBER:	**1.1.1**

RID SHORT TITLE:	**If response to a query is a use case**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Add item e) mission operations, e.g., to return schedule information as an answer to a query from a user

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

Section 1.3.2.5 identifies this case.
It should be anounced in section 1.1.1 and developed in a later section of the document.
Or if section 1.3.2.5 should be removed if such use case was not intended to be maintained in the document, then no modification is required here.

DISPOSITION:

Accepted: Document to be updated accordingly.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-063**
AGENCY RID NUMBER:		**JMS02**
SUBMITTING ORGANIZATION (Agency, Center):		**CNES**
REVIEWER'S NAME:		**JM Soula**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	1-3	PARAGRAPH NUMBER:	**1.3.2.4**
RID SHORT TITLE:		**Consider "unallocated contact opportunity" more useful than "unallocated time"**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Consider adding the term "unallocated contact opportunity" besides "unallocated time".
This comment, if accepted, is valid throughout the document and implies either an additional use case or a sub-case of the one described in section 1.3.2.4.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

In mission phase, unallocated time is of limited interest for the user or the provider, as it may not correspond to an opportunity of contact. Preferably, the times when a support is possible for a said user should be highlighted.
It is also of interest to highlight those unallocated passes which cannot be used as their time frame is already booked for another activity / user.
It is CNES practice to return to each user their schedule showing "used", "unused / available" and ""unused / unavailable" status for each of the contact opportunities of their satellite(s).
This may be addressed making use of another parameter in the format. The key issue here is to understand the interest of contact opportunity versus free time.
It allows the user to be aware of the contact slots that may actually be used with the stations from the provider, in case of additional operational need.
It allows the provider to have the full picture of the contact opportunities that may or may not be used, in particular in the process of conflict resolution among queries from several users.

DISPOSITION:

Rejected: However
1) scope of recommnedation will be clarified as to scope of schedule
publishing;
2) for the case of unsused/[un]available see response to RID CSSM-043

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-064**	
AGENCY RID NUMBER:		**JMS03**	
SUBMITTING ORGANIZATION (Agency, Center):		**CNES**	
REVIEWER'S NAME:		**JM Soula**	
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DOCUMENT NUMBER:		**902.1-R-1**	
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:		**September 2014**	
PAGE NUMBER:	**1-4**	PARAGRAPH NUMBER:	**1.3.2.5**
RID SHORT TITLE:		**Is response to a query a stand alone use case ?**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
Consider either **- Merging this case with previous one (dissemination) if just a variant on how data is provided to user** **- Deleting this case if no longer identified as a use case (not further discussed in the document)** **- Complementing the description to explain the similarities and differences with previous case (dissemination)**

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:
This case is unclear and not enough developed throughout the document.

DISPOSITION:
Accepted: Descrption will be complmented.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-065**
AGENCY RID NUMBER:		**JMS04**
SUBMITTING ORGANIZATION (Agency, Center):		**CNES**
REVIEWER'S NAME:		**JM Soula**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	3-3	PARAGRAPH NUMBER: **3.2.3.5**
RID SHORT TITLE:		**Additiona users to be identified.**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Consider adding users as:
- Maintenance
- Downtime (or unavailable, or the like)

CATEGORY OF REQUESTED CHANGE:

     Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

It is assumed that the Simple Schedule Format is used from Provider to User
at each stage of the scheduling process, prior to the support timeframe.
It is then critical that the information returned to the user allows him to
capture the nature of the unavailabilities of the asset to support his
mission.
This is the essence of the conflict res=olution and rescheduling that are
key steps in the overall scheduling process.

Maintenance is not of same nature as Test: 1) in the scheduling process it
is of lower priority compared to (e.g.) project qualification tests, as it
is easier to reschedule it; 2) the period can still be negotiable in the
upfront conflict resolution process, for users having high priority
requests; 3)it may not be interrupted once engaged and includes a time to
restore the nominal setup and configuration.
Downtime is not of same nature as Test or Maintenance: 1) the period cannot
be negotiable in the conflict resolution process, even in case of high
priority request ; 2) therefore, it is the de facto highest priority in the
scheduling process, once included in the final schedule.

DISPOSITION:

Rejected: In favor of RID CSSM-015 (replace test user with network user)
and add activity type of maintenance.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-066**	
AGENCY RID NUMBER:	**JMS05**	
SUBMITTING ORGANIZATION (Agency, Center):	**CNES**	
REVIEWER'S NAME:	**JM Soula**	
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DOCUMENT NUMBER:	**902.1-R-1**	
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**	
DATE ISSUED:	**September 2014**	
PAGE NUMBER: **3-3**	PARAGRAPH NUMBER:	**3.2.3.5**
RID SHORT TITLE:	**TEST is not a valid user to be identified.**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Consider deleting "TEST" as a users.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___ Recommended _**X**_ Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

"TEST" is not enough to describe a user.
A test refers to a user and should also be identified with a satellite name, same as an actual operational support ;
otherwise, the user of the asset requesting the test timeframe may not receive confirmation of his allocation thru the schedule message from the provider, or has no means to know which one of the "TEST" is his allocated time frame.
User could be left with "satellite name", "unallocated" ... (possibly "maintenance" and "downtime": see RID CNES-JMS4).
The case of a test for a said satellite could the be addressed by making use of the "servicetype" parameter in the "serviceinfo".

DISPOSITION:

Rejected: See Response to CSSM-065

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-067**
AGENCY RID NUMBER:	**JMS06**
SUBMITTING ORGANIZATION (Agency, Center):	**CNES**
REVIEWER'S NAME:	**JM Soula**
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TELEPHONE:	**+33 5 61 27 46 47**
DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-5	PARAGRAPH NUMBER:	3.2.5.3
RID SHORT TITLE:		**Multiple antennas per station.**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Consider making "antennaref" a required and not an optional parameter.

CATEGORY OF REQUESTED CHANGE:

        Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

The cases when this parameter is relevant are many more than those where it is not: multiple antennas per station to be differentiated ; antennas with different sizes, frequency bands and performances (not equivalent to support satellites) ; having different location or transit times (processing of localization data or time synchronization); …
Without this information, the information on unallocated time becomes meaningless to the users: availability is per antenna that may actually provide a support and not per station (as a group of adequate and not adequate antennas).
In CNES experience, only antennas are allocated, not stations.
To some extent, "stationRef" could be optional... but this RID doesn't propose that change as it doesn't hurt to have it a required parameter.

DISPOSITION:

Accepted: antennaRef will be made mandatory.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		**CSSM-068**
AGENCY RID NUMBER:		**JMS07**
SUBMITTING ORGANIZATION (Agency, Center):		**CNES**
REVIEWER'S NAME:		**JM Soula**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**3-5 & 3-6**	PARAGRAPH NUMBER: **3.2.5.3**
RID SHORT TITLE:		**"Activity" is more critical than "contact" in the scheduling process.**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Consider making "beginningofactivity" and "endofactivity" required and not optional parameters.
Consider giving them respectively the same values as "beginningoftrack" and "endoftrack" when they are not relevant (e.g.: maintenance, test, downtime).
Consider giving them a special value when they cannot be communicated (not the general case).

CATEGORY OF REQUESTED CHANGE:

　　　　Technical Fact **_X_**　　　Recommended ___　　　Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

Both the user and the provider need to know when the setup and pre-pass (pre-contact) activities are to be conducted.
If not executed in a coordinated way, after that specific time and before the track should start, the pre-pass activities may result in a failure of preparation and a loss of the support.
The start / end of track are relevant in the support execution but not sufficient in the scheduling process.
The notions of "unallocated time" or "free time" become vague and dangerous to handle in the scheduling process (i.e.: the conflict resolution process): a conflict cannot be defined as "outside contact" but it can only refer to "outside activity" as the asset is already engaged.
One key example of when this is extremely critical for LEO satellite operations is the case of consecutive passes over two stations/antennas (overlapping contact): the beginning of activity for the second antenna will be before the beginning of activity for the first antenna to support ; this results in an extended unavailability of the second antenna to support any other mission ; the provider and all users need to be aware of that.
The time after the contact may also be critical to be identified as the asset is not yet released and cannot be considered "unallocated" ; this applies for instance to post support activities, playback of telemetry, off line delivery, SLE online complete mode…

DISPOSITION:
Rejected: Some agencies are not prepared to make this information available and making the start of activity and start of track the same is confusing.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-069**
AGENCY RID NUMBER:	**JMS08**
SUBMITTING ORGANIZATION (Agency, Center):	**CNES**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	3-7	PARAGRAPH NUMBER:	3.2.7.3
RID SHORT TITLE:		**Combination of servicetypes.**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

To avoid useless information, consider revisiting the list of service types to reflect the combination of services which are usually scheduled.
The list could then include "TT&C" as this will cover a majority of the cases.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
 render the Recommendation inaccurate and unacceptable if not
 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

In the scheduling process there is no need to go in the deep details of the service types.
The majority of the activities will be combination of services (e.g.: TT&C covers TLM + CMD + RNG + Doppler + Angles) that each will not be required on an individual basis.
These combinations are the core services and they shouldn't be addressed as additional parameters.

DISPOSITION:

Rejected: The different services can be at different frequency bands for multiple carrier spacecraft; the current specification is clear and unambigous as is.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-070**
AGENCY RID NUMBER:	**JMS09**
SUBMITTING ORGANIZATION (Agency, Center):	**CNES**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-7**	PARAGRAPH NUMBER:	**3.2.7.3**
RID SHORT TITLE:		**Other service types.**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The following cases servicetypes could be added:
- VLBI,
- Doppler,
- Antenna pointing angles (Az/El or X/Y).

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)

RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.

EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

This is suggested in case the WG maintains the objective of providing details of activities, which, in CNES point of view, is not part or is not relevant in the scheduling process.
This is just for completeness then.

DISPOSITION:

Accepted: Document to be updated accordingly.

CCSDS RID NUMBER:		**CSSM-071**
AGENCY RID NUMBER:		**JMS10**
SUBMITTING ORGANIZATION (Agency, Center):		**CNES**
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DOCUMENT NUMBER:		**902.1-R-1**
DOCUMENT NAME:		**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:		**September 2014**
PAGE NUMBER:	**3-7**	PARAGRAPH NUMBER: **3.2.7.3**
RID SHORT TITLE:		**"Unused" service type.**

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
The case of a "unused" servicetype should be subdivided in several service types top be added: **- unused / available,** **- unused / unavailable.** **This applies mainly in the case of operational supports.**

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.) RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance. EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:
This refers to the RID CNES-JMS2 that explains the requirement to identify the "unallocated contact opportunities" and proposes here a way to return to the user which of those contacts can still be booked (available and not allocated to other activities).

DISPOSITION:
Rejected: See Response to RID CSSM-063

CCSDS RID NUMBER:		CSSM-072
AGENCY RID NUMBER:		JMS11
SUBMITTING ORGANIZATION (Agency, Center):		CNES
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DOCUMENT NUMBER:		902.1-R-1
DOCUMENT NAME:		CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT
DATE ISSUED:		September 2014
PAGE NUMBER:	3-10	PARAGRAPH NUMBER:	3.4.1 & 3.4.2.2
RID SHORT TITLE:		Reference to contact time to define free time is a mistake.

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
Add a definition for "contact time" as between "beginning of track" and "end of track".   Add a definition for "activity time" as between "beginning of activity" and "end of activity.   Add a definition of "free time" as "outside activity times".   Correct the schematic accordingly by replacing the word "contact" with the word "activity".   In Section 3.4.2.2 delete the word "NOTE" and replace "can" with "shall" in the remaining sentence..

CATEGORY OF REQUESTED CHANGE:
Technical Fact _**X**_   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)   RECOMMENDED: Change of a nature that would, if incorporated, produce a marked improvement in document quality and acceptance.   EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

A scheduling process is required when assets are not dedicated and must be shared between different users and activities. This task is quite heavy and requires clear definitions of occupied time / free time / conflict.
It is therefore critical to first agree on the definition of allocated time and free time.
Allocation of an asset can only be outside the times when it is dedicated to an activity (e.g.: prepass, pass, postpass) and not just outside the times when it provides the main service (pass) which is just a subset of the activity.
During one activity (start/endactivity), other users cannot pretend that the antenna is free, because it is not yet engaged in the contact, and then be willing to use the supposed free time, so creating a true conflict.
The provider needs to identify the activity slots in conflict, as his main scheduling task is the conflict resolution process. This requires a clear definition of a conflict: "when two activity periods overlap".
The example in the schematic schedule highlight the risk that we identify:
- Activity period around user 2 S/C contact may be considered free by user1, which is not true ;
- Provider could consider allocating slots to other users around the user 1 S/C contacts.
In all of this, the complexity is with the providers supporting dozens of satellites and having to solve conflicts over dozens of antennas.
The simple schedule format should primarily address their needs as part of the baseline vision of the standard and not leave to them to manage with their software the information which is critical to their activity.
The message must identify the true situation in the reservation and allocation processes.
Otherwise this message could be found inadequate or insufficient … and not be adopted.
In the schedule format, the users will always have contact information they need but they also need to have a true vision of the free time (or contact opportunities) they could use and share it with the providers.

DISPOSITION:

Accepted: (Partially). The following points are accepted
1. Proposed "contact time" will in fact be the activity time on revised diagram
2. Free time as requested.
3. Diagram to be updated per disposition notes
However the following points are not accepted
1. No need for "contact time" as indicated in RID
2. "can" remains in the note given the definition of the start of activity, beginning of track, etc.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:		CSSM-073
AGENCY RID NUMBER:		DLR-01
SUBMITTING ORGANIZATION (Agency, Center):		DLR
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DOCUMENT NUMBER:		902.1-R-1
DOCUMENT NAME:		CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT
DATE ISSUED:		September 2014
PAGE NUMBER:	3-7	PARAGRAPH NUMBER:	3.2.7.3
RID SHORT TITLE:		Enumeration style

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

To apply a common style for enumeration please use only capital letters and underscores for semantic separation of terms.
C_BAND, KA_BAND, RANGING

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
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EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Uppercase will be used along characters '-' , '/' , '_'

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-074**
AGENCY RID NUMBER:	**DLR-02**
SUBMITTING ORGANIZATION (Agency, Center):	**DLR**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-7**	PARAGRAPH NUMBER:	**3.2.7.3**
RID SHORT TITLE:		**Extension of class ServiceInfo**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
The available class ServiceInfo parameters would not unambiguously characterize a service. The recommendation is to have serviceStartTime, serviceStopTime, dataRate and channelIdent to characterize the specific service.

CATEGORY OF REQUESTED CHANGE:
Technical Fact **_X_**   Recommended ___   Editorial ___

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to render the Recommendation inaccurate and unacceptable if not corrected. (Supporting analysis/rationale is essential.)
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EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:
For example, an X_BAND downlink use two channels differentiated by frequency or polarity or by both.

DISPOSITION:
Rejected: For CCSDS this will be found in the forthcoming service package recommendation.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-075**
AGENCY RID NUMBER:	**DLR-03**
SUBMITTING ORGANIZATION (Agency, Center):	**DLR**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**3-7**	PARAGRAPH NUMBER:	**3.2.7.3**
RID SHORT TITLE:		**Schedule Confirmation**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)
Each schedule should at least responded by a schedule confirmation.

CATEGORY OF REQUESTED CHANGE:
Technical Fact ___   Recommended _**X**_   Editorial ___

NOTES:
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EDITORIAL: Typographical or other factual error needing correction. (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:
This extension requires some extensions of the document but nevertheless it seems to be the same level/type of an interface item for human and as well as for machine to machine interfaces.

DISPOSITION:
Rejected: The recommendation is for a publication format only, not a service.

REVIEW ITEM DISPOSITION (RID):

CCSDS RID NUMBER:	**CSSM-076**
AGENCY RID NUMBER:	**INPE-01**
SUBMITTING ORGANIZATION (Agency, Center):	**INPE**
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DOCUMENT NUMBER:	**902.1-R-1**
DOCUMENT NAME:	**CCSDS RECOMMENDED STANDARD FOR SIMPLE SCHEDULE FORMAT**
DATE ISSUED:	**September 2014**

PAGE NUMBER:	**1-1**	PARAGRAPH NUMBER:	**5**
RID SHORT TITLE:		**"mission operations" repetition**	

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The "mission operations" at the beginning of Item d) sound strange since it has already been used at the beginning of Item c).
May be example in d) could be put in c) as a second example.

CATEGORY OF REQUESTED CHANGE:

Technical Fact ___   Recommended ___   Editorial _**X**_

NOTES:
TECHNICAL FACT: Major technical change of sufficient magnitude as to
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 corrected. (Supporting analysis/rationale is essential.)
RECOMMENDED: Change of a nature that would, if incorporated, produce
 a marked improvement in document quality and acceptance.
EDITORIAL: Typographical or other factual error needing correction.
 (This type of change will be made without feedback to submitter.)

SUPPORTING ANALYSIS:

DISPOSITION:

Accepted: Document will be updated as per RID.