# CCSM PIF Splinter Telecon/Webex, 11 July 2017

# Attendees

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# Agenda/Notes

## Determine approach for PIF development

1. Background: The splinter telecon session was initiated as a result of the last working group teleconference to further discuss the use cases and approach for development of the Planning Information Format recommendation. This was follow-up from the San Antonio spring meetings where it was noted that different agencies/service provider organizations have somewhat different use cases.
2. Use cases: prior to the teleconference the use cases could be classified as trajectory derived events in relation to a supplied trajectory with regard to a particular aperture or apertures versus delivery of trajectory vectors themselves. Conclusion of the teleconference was that the latter use case (delivery of the trajectories themselves) is essentially an application of the navigation data message standard which CCSDS already has defined. The focus of the PIF is then delivery of events derived from trajectory input relative to one or more apertures.
3. Delivery of events in relation to a trajectory tends to be done in two ways with regard to current agency implementations.
   1. Delivery of a “flat list” of events
   2. Delivery of a “structured” set of events

Although both approaches contain the list of events, in the latter approach, b) above, the events are organized into typically potentially schedulable intervals

1. Conclusion is
   1. the flat list represents the lowest common denominator and will be retained as the mandatory “core” part of the recommendation with the following considerations:
      1. a strict temporal ordering requirement/statement will be added
      2. each event will have a unique identifier (ie., xsd:ID)
   2. an optional part of the PIF will be added that allows for meta data to associate the events with structured intervals
      1. the starting point for this will be the current simple schedule format associationKinds data type as this is seen as a likely analogous mechanism; it also has the benefit of using an already defined semantic extension point from the SSF
   3. A general note is to be added to the recommendation to indicate that the exchange of trajectory information with regard to planning purposes is accomplished via the CCSDS navigation recommendation(s).
2. Actions
   1. EB, YW: develop first cut/for the proposal on what the optional part of the PIF looks like