

Approved CCSDS Projects that have changed their ECD-DA Since 11/15/2015

ECD-DA = Estimated Completion Date for Document Approved

Project Title	Charter	Document Type	ECD-DA Was	ECD-DA Is Now	Total Estimated Time to Complete (in months)	ECD-DA Change in Months
Mission Operations - Mission Data Product Distribution Services Evolutions of CCSDS recommendations for RF & Modulation systems, part 1	2.04 Spacecraft Monitoring and Control Working Group	Blue	1/1/14	12/15/17	23	47
Optical Communications Concepts and Terminologies	5.01 RF and Modulation Working Group	Blue	12/28/14	12/30/17	109	36
Network Layer Security Adaptation Profile	5.10 Optical Communications Working Group	Green	3/3/16	1/1/19	59	33
Spacecraft Maneuver Message (SMM) Telerobotic Standard (Blue Book)	1.02 Security Working Group	Blue	2/18/15	6/30/17	54	28
Image Data Compression, Issue 2	2.02 Navigation Working Group	Blue	10/15/16	12/31/18	83	26
Producer Archive Interface Specification Tutorial	2.06 Telerobotics Working Group	Blue	4/2/16	4/2/18	46	24
TM Channel Coding for SCCC, Green Book	5.03 Multispectral and Hyperspectral Data Compression Working Group	Blue	6/1/15	5/26/17	59	24
Optical Communications Physical Layer	2.01 Data Archive Ingestion Working Group	Green	6/30/14	5/31/16	90	23
Optical Communications Coding & Synchronization	5.02 Space Link Coding and Synchronization Working Group	Green	6/19/15	5/26/17	52	23
Unified Space Data Link Protocol Blue Book	5.10 Optical Communications Working Group	Blue	3/1/17	1/1/19	59	22
Space Data Link Security Concept of Operation, Issue 1	5.10 Optical Communications Working Group	Blue	3/1/17	1/1/19	59	22
Unified Space Data Link Protocol Green Book	5.04 Space Link Protocols Working Group	Blue	12/12/16	9/12/18	46	21
Attitude Data Message (ADM) 5 Year Review Revision	5.09 Space Data Link Security WG	Green	5/15/15	12/15/16	95	19
Spectral Pre-Processing Transform for Multispectral & Hyperspectral Image Compression	5.04 Space Link Protocols Working Group	Green	3/22/16	9/20/17	35	18
CCSDS File Delivery Protocol (CFDP) Update -- Introduction and Overview	2.02 Navigation Working Group	Blue	4/3/17	7/31/18	42	16
CCSDS File Delivery Protocol (CFDP) Update -- Implementer's Guide	5.03 Multispectral and Hyperspectral Data Compression Working Group	Blue	1/1/16	5/26/17	41	16
INFORMATION PREPARATION TO ENABLE LONG TERM USE	6.12 CFDP Revisions Working Group	Green	12/1/14	3/1/16	29	16
TM Channel Coding for DVB-S2, Green Book	6.12 CFDP Revisions Working Group	Green	1/21/15	5/1/16	30	16
Delta-DOR Quasar Catalogue development	2.01 Data Archive Ingestion Working Group	Magenta	5/30/16	8/15/17	40	15
Tracking Data Message (TDM) 5 Year Review Revision	5.02 Space Link Coding and Synchronization Working Group	Green	4/30/15	7/29/16	38	15
Cross Support Service Management: Planning Data Formats	1.06 Delta-DOR Working Group	Magenta	7/31/16	8/31/17	44	13
Update TM channel coding Blue Book with LDPC slicing	2.02 Navigation Working Group	Blue	10/15/16	11/15/17	48	13
CCSDS File Delivery Protocol (CFDP) Revisions -- Interoperability Test Plan and Report	3.03 Cross Support Service Management Working Group	Blue	3/30/16	3/30/17	40	12
Voice and Audio Communications	5.02 Space Link Coding and Synchronization Working Group	Blue	2/1/16	1/27/17	34	12
XML Telemetric and Command Exchange (XTCE) 1.2	6.12 CFDP Revisions Working Group	Yellow	1/22/15	2/1/16	28	12
Atmospheric Characterization for Optical Communications Systems	6.10 Voice Working Group	Blue	9/30/16	10/30/17	88	11
Mission Operations - Message Abstraction Layer Binding to HTTP Transport and XML Encoding	2.04 Spacecraft Monitoring and Control Working Group	Blue	1/10/16	11/16/16	105	10
Cross Support Service Management: File Transfer, Ground Segment, Recommended Profile	5.10 Optical Communications Working Group	Green	3/3/16	1/1/17	36	10
Schedule-Aware Bundle Routing [was Contact Graph Routing] for CCSDS	2.04 Spacecraft Monitoring and Control Working Group	Blue	4/30/16	1/30/17	22	9
Symmetric Key Management Rationale	3.03 Cross Support Service Management Working Group	Blue	1/30/17	11/1/17	24	9
Green Book Update	6.09 Delay Tolerant Networking Working Group	Blue	3/1/17	12/1/17	31	9
Delta-DOR operations - Issue 2	1.02 Security Working Group	Green	2/6/17	10/2/17	50	8
Mission Operations - Common Services	6.10 Voice Working Group	Green	11/30/16	7/1/17	15	8
Telerobotic Operations	1.06 Delta-DOR Working Group	Magenta	12/31/15	8/31/16	32	7
Space Data Link Security (SDLS) protocol : extended procedures	2.04 Spacecraft Monitoring and Control Working Group	Blue	12/30/16	7/12/17	136	7
Mission Operations - Monitor & Control Services	2.06 Telerobotics Working Group	Green	11/13/15	5/30/16	37	7
Mission Operations - Message Abstraction Layer Binding to ZeroMQ Transport and CNES Binary Encoding	5.09 Space Data Link Security WG	Blue	2/15/17	7/15/17	67	5
CCSDS File Delivery Protocol (CFDP) Update -- Blue Book	2.04 Spacecraft Monitoring and Control Working Group	Blue	6/30/16	10/17/16	127	4
Mission Operations C++ API	2.04 Spacecraft Monitoring and Control Working Group	Blue	12/31/16	4/28/17	23	4
Variable Code and Modulation (VCM) Systems for CCSDS	6.12 CFDP Revisions Working Group	Blue	5/1/16	8/8/16	34	4
XML Namespace Policy (Yellow Book)	2.04 Spacecraft Monitoring and Control Working Group	Magenta	11/1/16	12/25/16	12	2
	5.02 Space Link Coding and Synchronization Working Group	Magenta	3/1/17	1/6/17	33	-2
	1.04 Space Assigned Numbers Authority Working Group	Yellow	6/30/16	3/1/16	106	-4