

Space Link Services Area

Resolution SLS-R-2021-05-003

Start of CWE Project for CCSDS 413.1 “Simultaneous Transmission of GMSK Telemetry and PN Ranging” Green Book Issue 2

11th May 2021

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The Space Link services Area,

CONSIDERING that the RF & Modulation (RFM) Working Group

- identified the need to update 413.1-G, almost due for 5-years review, in order to introduce clarifications and editorial improvements
- produced a draft CWE Project available at <https://cwe.ccsds.org/fm/Lists/Projects/DispFormDraft.aspx?ID=725>
- the WG has consensus on the draft CWE Project

RECOGNISING that required resources have been identified

Space Link Services Area

RESOLVES to request CMC to approve starting the CWE Project identified above

RECOMMENDS that the CMC approve this resolution and, finally

REQUESTS that a CMC poll be conducted to accomplish this.

Close




Overview


















































Project Title	Simultaneous Transmission of GMSK Telemetry and PN Ranging - Issue2
Approval	Draft
Document Number	413.1
Charter	5.01 RF and Modulation Working Group
Document Type	Green
Description of Document	This Informational Report is an adjunct document to the CCSDS Recommended Standard for Pseudo-Noise (PN) Ranging Systems (CCSDS 414.1-B-1). It provides background information and discussion of technical details related to the PN ranging systems defined by the CCSDS Recommended Standard. It is due for review in 2022 and this update will introduce clarifications and editorial improvements.
Applicable Patents	There are no patent issues for this technology that are known by the CCSDS community
Patent Comments	N/A
Survey of Similar Standards Documents or Projects Undertaken in Other Bodies and elsewhere in CCSDS	N/A

Resources

Book Editor	ESA
Book Editor Resources	1 man month
Prototype 1	Not Required
Prototype 1 Resources	N/A
Prototype 2	Not Required
Prototype 2 Resources	N/A
Prototype 3	Not Required
Prototype 3 Resources	N/A
Contribute	ESA, NASA
Monitor Only	CNES
Resource Comments	The needed clarifications and editorial improvements have already been identified by the RDM WG.

Schedule

Legend for Schedule Milestones						Original Completion Date (Date in M/D/YYYY format.)	Comments (Date in M/D/YYYY format.)
 = Required for Orange Books							
 = Required for Green Books							
 = Required for Magenta Books							

 = Required for Blue Books Note - Red Books are Draft Blue/Magenta Books Schedule Milestones						
	Orange Book	Green Book	Magenta Book	Blue Book		
Project Approved					6/15/2021	
Project Start Date					6/15/2021	
Internal WG Review						
First Draft Circulated to WG					6/15/2021	
First Draft Comments Due					6/20/2021	
Second draft circulated to WG					6/25/2021	
Second Draft Comments Due					6/20/2021	
Final WB Submitted to AD for Further Processing					7/10/2021	
External Milestones						
Secretariat Document Processing					12/10/2021	
First Agency Review						N/A
RID Resolution						N/A
Secretariat Document Processing 2						N/A
Final Agency Review						N/A
RID Resolution						N/A
First Prototype Development						N/A
Second Prototype Development						N/A
CMC Approval					3/30/2022	
Total Time to Complete (in months)					9	

Version: 22.0

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