

## The Consultative Committee for Space Data Systems

# Space Link Services Area

Resolution SLS-R-2011-06-001
415.1-R-1 Data Transmission and PN
Ranging for 2 GHz CDMA Link via
Data Relay Satellite

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Gian Paolo Calzolari SLS Area Director

Gilles Moury
SLS Deputy Area Director

SLS-R-2011-06-001



### **SLS** Resolutions to CESG

★The Space Link Services Area,

## **+**CONSIDERING

- ♦ that the RF & Modulation WG has completed the Agency Review of the "Data Transmission and PN Ranging for 2 GHz CDMA Link via Data Relay Satellite" Draft Recommended Standard CCSDS 415.1-R-1 (Red Book) Issue 1, dated December 2010, and
- ♦ that all RIDs have been successfully disposed of
- ♦ that as a consequence the WG has produced a version of the 415.1 book representing the consensus of the WG



### **SLS Resolutions to CESG**

## **★**RECOGNIZING

- ♦ that this draft Recommended Standard is an extension of the SNIP agreement whose first issue was signed by ESA, NASA and NASDA (now JAXA) in 1991 and under which many missions have been successfully cross supported for more than 20 years
- ♦ that relative to the SNIP agreement the change in this standard is simply an extended set of spread-spectrum codes while all other parameters (modulations, data rates, transmission and reception imperfections, channel characteristics, frequencies of operations, operating conditions, etc.) are unmodified
- that two independent simulations of the spread-spectrum code performance have been carried out with identical results
- that RFSA have just started the development of their data relay satellites and availability of this standard is a must



#### **SLS Resolutions to CESG**

★RESOLVES to request CESG/CMC to approve the publication, and finally

★REQUESTS that CESG and CMC polls be conducted to accomplish this.