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**Space data and information transfer  
systems — Operation of CFDP over  
encapsulation service**

*Systèmes de transfert des informations et données spatiales —  
Exploitation du CFDP lors des services d'encapsulation*

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## Recommendation for Space Data System Practices

# OPERATION OF CFDP OVER ENCAPSULATION SERVICE

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**RECOMMENDED PRACTICE**

**CCSDS 722.1-M-1**

**MAGENTA BOOK**

**March 2014**

## AUTHORITY

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This document has been approved for publication by the Management Council of the Consultative Committee for Space Data Systems (CCSDS) and represents the consensus technical agreement of the participating CCSDS Member Agencies. The procedure for review and authorization of CCSDS documents is detailed in *Organization and Processes for the Consultative Committee for Space Data Systems* (CCSDS A02.1-Y-3), and the record of Agency participation in the authorization of this document can be obtained from the CCSDS Secretariat at the address below.

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## STATEMENT OF INTENT

The Consultative Committee for Space Data Systems (CCSDS) is an organization officially established by the management of its members. The Committee meets periodically to address data systems problems that are common to all participants, and to formulate sound technical solutions to these problems. Inasmuch as participation in the CCSDS is completely voluntary, the results of Committee actions are termed **Recommendations** and are not in themselves considered binding on any Agency.

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No later than five years from its date of issuance, this **Recommended Practice** will be reviewed by the CCSDS to determine whether it should: (1) remain in effect without change; (2) be changed to reflect the impact of new technologies, new requirements, or new directions; or (3) be retired or canceled.

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## FOREWORD

This document is a technical **Recommended Practice** for use in developing flight and ground systems for space missions and has been prepared by the **Consultative Committee for Space Data Systems** (CCSDS). The **Recommended Practice** described herein is intended for missions that are cross-supported between Agencies of the CCSDS.

This **Recommended Practice** specifies methods for operating the CCSDS File Delivery Protocol (CFDP) over the CCSDS Encapsulation Service.

Through the process of normal evolution, it is expected that expansion, deletion, or modification of this document may occur. This Recommended Practice is therefore subject to CCSDS document management and change control procedures, which are defined in the *Organization and Processes for the Consultative Committee for Space Data Systems* (CCSDS A02.1-Y-3). Current versions of CCSDS documents are maintained at the CCSDS Web site:

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Questions relating to the contents or status of this document should be addressed to the CCSDS Secretariat at the address indicated on page i.

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## RECOMMENDED PRACTICE FOR OPERATION OF CFDP OVER ENCAPSULATION SERVICE

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**DOCUMENT CONTROL**

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