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**Space data and information transfer
systems — Mission operations message
abstraction layer**

*Systèmes de transfert des informations et données spatiales — Couche
d'abstraction des messages des opérations de mission*

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The Consultative Committee for Space Data Systems

Recommendation for Space Data System Standards

MISSION OPERATIONS MESSAGE iTeh STANDARD PREVIEW ABSTRACTION LAYER

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RECOMMENDED STANDARD

CCSDS 521.0-B-2

BLUE BOOK
March 2013

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**CCSDS RECOMMENDED STANDARD FOR
MISSION OPERATIONS MESSAGE ABSTRACTION LAYER**

AUTHORITY

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| Date: | March 2013 |
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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*, 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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| CCSDS 521.0-B-2 | Mission Operations Message Abstraction Layer, Recommended Standard, Issue 2 | March 2013 | <p>Current issue (note):</p> <ul style="list-style-type: none"> – addresses the request to add a slight restriction to the MAL data model regarding polymorphism; – adds ability to use external data type specifications such as XML Schemas; – moves XML to the SANA registry; – changes type short forms to integers rather than strings; – shows optional fields in composites; – changes lists to a template rather than explicit types; – adds unsigned integer and File data types. |

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NOTE – Changes from the original issue are too numerous to permit markup.

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