



OpenLCB Standard	
OpenLCB-CAN Datagram Transport	
Mar 4, 2012	Preliminary

1 Introduction (Informative)

This specification describes the protocol for transporting OpenLCB datagrams via CAN segments.

2 References and Context (Informative)

5 This specification is in the context of the following OpenLCB-CAN Specifications:

The OpenLCB Message Network Specification, which specifies ...

The OpenLCB Node Identifier Specification, which specifies ...

The OpenLCB Event Identifier Specification, which specifies ...

10 “CAN” refers to the electrical and protocol specifications as defined in ISO 11898-1:2003 and ISO 11898-2:2003 and their successors.

For more information on format and presentation, see:

- OpenLCB Common Information Technical Note

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30 External certification of parts shall be accepted for conformance to these standards. Conformance with
a later version of a standard shall be accepted as conformance with the referenced versions.

(See TN, which contains dev note content, which needs to be move here)

2.1 Error Codes

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DATAGRAM_REJECTED	0x000
DATAGRAM_REJECTED_PERMANENT_ERROR	0x100
DATAGRAM_REJECTED_INFORMATION_LOGGED	0x101
DATAGRAM_REJECTED_SOURCE_NOT_PERMITTED	0x102
DATAGRAM_REJECTED_DATAGRAMS_NOT_ACCEPTED	0x104
40 DATAGRAM_REJECTED_BUFFER_FULL	0x200
DATAGRAM_REJECTED_OUT_OF_ORDER	0x600
DATAGRAM_REJECTED_NO_RESEND_MASK	0x100
DATAGRAM_REJECTED_RESEND_MASK	0x200
DATAGRAM_REJECTED_TRANSPORT_ERROR_MASK	0x400

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