OpenLCB Standard
OpenLCB-TCP Segment Transfer

Jul 23, 2011	**Preliminary**

1 Introduction (Informative)

This specification describes ...

2 Intended Use (Informative)

Reliable byte-stream link, e.g. a TCP/IP connection.

3 References and Context (Normative)

This specification is in the context of the OpenLCB-CAN … Specification, which specifies …
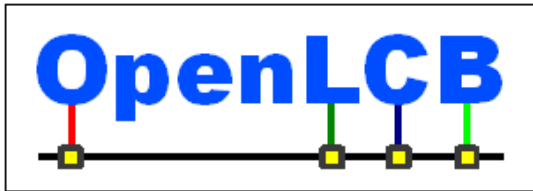
For more information on format and presentation, see:

- OpenLCB Common Information Technical Note

4 Message Form (Normative)

Individual messages are preceded by a preamble that contains:

- Flags - 16 bit quantity, the most-significant bits are reserved. The least significant bit indicates whether the remaining message is a common OpenLCB message or some other message. The 2nd bit is a chaining bit, indicating that another header is contained within this one.

- Originating gateway Node ID – the Node ID of the gateway that send/forwarded this message onto the point-to-point or multicast link. May or may not be the original source of the message.

- Message capture time at originating gateway - a 32-bit (64-bit?) number of monotonic milliseconds (microseconds?) since (before) the connection was created; no time synchronization with other nodes implied; could have been a sequence number

- Number of bytes in rest of message, a 16-bit quantity.

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Below this is just a collection of pieces from other docs right now.

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