



OpenLCB Standard	
Function Description Information	
Apr 30, 2021	Preliminary

1 Introduction (Informative)

This document defines a standard for the storage of static information that described the function configuration options available on an OpenLCB node, called “Function Description Information (FDI)” found in the configuration memory at address 0xFA.

2 Intended Use (Informative)

Intended to be used to by configurable, self-contained OpenLCB nodes.

3 References and Context (Normative)

For more information on format and presentation, see:

- OpenLCB Common Information Technical Note

4 Format (normative)

4.1 Use of XML

4.2 FDI is constant

4.3 Other stuff

The FDI information shall be constant. A node may not change it after any part of it has been retrieved and before the next transition of the node away from the Initialized state. (The transition back to Initialized state tells other nodes to flush their caches and pick up any changed content)

5 Stuff to be merged into the above (or the TN)

The first byte is used to distinguish the coding.

“<” (which is part of the XML “<?xml version='1.0'?>” definition): Uncoded characters

UTF BOM: Various UniCode forms

0x01 – tag for compressed. One format defined for total start string of 0x0101. (If you want to use another format, decompress on board)

25 (can't use 0x00 as lead, since that's the end-of-string indication)

Table of Contents

1 Introduction (Informative).....	1
2 Intended Use (Informative).....	1
3 References and Context (Normative).....	1
4 Stuff to be merged into the above (or the TN).....	1