VLCB Versatile Layout Control Bus

<SERVICE> Service Specification
Service# ?

Version 0.99B

Compatible with CBUS ® 4.0 Rev 8j

0.1 To Do

- Change "<SERVICE>" to the name of your service.
- Make a note of things still needing to be done.
- Would people, while working on a Service doc, note any tests that would be useful in a future Conformance Tool. These are often better thought up at the time of design, rather than a future date. I have added the section below as an example.
- Keep the Document History up to date.

0.2 Useful Conformance Tests

- Eg: Send message XXX, must receive message yyy, must occur before 100 ms
- Eg: Stress test: send maximum ACON/ACOF event-messages, without errors.

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Document History

Date	Changed by	Summary of changes	Service version

1. VLCB Services

This document describes the VLCB <SERVICE> service. This service is an optional addition to the VLCB Minimum Node Specification. There is a single Node Variable service covered by this document.

Modules wishing to use the VLCB <SERVICE> service shall conform to this specification.

2. Introduction / Description / Explanation

Introduction describing the goals and solutions developed for this service.

2.1. Dependencies on other services

List of the services which a module must also implement to support this <SERVICE>.

3. Summary of Opcodes

Refer to the VLCB Opcode Specification document for details of the opcodes.

Request to Module	Module's Response	Use/meaning
Any	GRSP	OK / Error response with RQ-opcode, and Service-specific data
	CMDERR	Error response
RQSD	SD, ESD	Request Service information
Service-specific	Service-specific	Service-specific

4. Service Specific Modes

Add additional Service-specific modes here, or state:

No additional operating modes are specified by the <SERVICE> service.

5. Service Specific Status Codes

Add additional Service-specific status codes here, or state:

No additional GRSP status codes are specified by the <SERVICE>service.

Status codes should be enumerated from 255 (0xFF) downwards, so that the standard CMDERR codes can be used as necessary.

6. Service Specific Diagnostic Data

Add additional Service-specific diagnostic data here, or state:

No additional RDGN diagnostic data numbers are specified by the <SERVICE> service.

7. Service Specific Automatic Power-up Tests

Add additional Service-specific automatic power-up tests here, or state:

No service specific power-up tests are specified by the <SERVICE> service.

8. Service Documentation

What needs to be documented when a module implements this service.

9 Service Data

9.1 Parameters

The following parameters are associated with the <SERVICE> service and shall be supported.

Address	Param#	Name	Usage	VLCB should set these values	Value if NV service is not supported

9.2 ESD data bytes

Describe the meaning of any data passed in the ESD message.