

## Table of Contents

<b>1. Introduction.....</b>	<b>1</b>
<b>2. Profile Groups and Classes.....</b>	<b>2</b>
2.1 Group 1.....	4
2.1.1 Class 11.....	4
2.2 Group 2.....	4
2.2.1 Class 21.....	4
2.2.2 Class 22.....	4
2.2.3 Class 23.....	5
2.2.4 Class 24.....	5
2.3 Group 3.....	5
2.3.1 Class 31.....	5
2.3.2 Class 32.....	5
2.3.3 Class 33.....	5
2.3.4 Class 34.....	6
2.3.5 Class 35.....	6
<b>3. Profile Basis.....</b>	<b>7</b>
3.1 H1/H2 Network Configuration Rules.....	7
3.2 Underlying Communication Capabilities.....	7
<b>4. Communication Profile for Foundation Fieldbus.....</b>	<b>9</b>
4.1 Services Supported on Foundation Fieldbus.....	9
4.1.1 SMK Services.....	9
4.1.2 FMS Services.....	10
4.2 PDUs Supported on FOUNDATION Fieldbus.....	12
4.2.1 SMK PDUs.....	12
4.2.2 FMS PDUs.....	13
4.2.3 FAS PDUs.....	15
4.2.4 DL-PDUs.....	16
4.3 Physical Layer Profile Types.....	16
4.4 Communication Parameters.....	18
4.4.1 Quality of Service.....	18
4.4.2 Communications Functions (informative).....	20
4.4.3 Other restrictions.....	21
<b>5. Configuration guidelines.....</b>	<b>22</b>
5.1 VCR configuration.....	22
5.2 MIB access.....	22
5.3 Temporary devices (informative).....	22
5.4 Default link settings for communication parameters on H1_31_25kbps Physical Layer networks.....	22
5.5 Other recommendations.....	23