

## Table of Contents

Preface.....	7
Introduction.....	8
1 Scope.....	8
2 References.....	10
2.1 Related HART Documents .....	10
2.2 Related Documents .....	10
3 Definitions .....	11
4 Symbols/Abbreviations.....	12
5 Data Format .....	13
6 Overview.....	13
6.1 Wired HART.....	15
6.2 WirelessHART.....	19
7 Network Layer Services.....	29
7.1 Network Layer Message SPs .....	29
7.2 Wireless Network Layer Management Services.....	34
8 Wired Network Layer Specification.....	38
8.1 Data Field Format .....	38
8.2 Multi-drop Networks .....	43
9 Wireless Network Layer Specification.....	43
9.1 Wireless Network Layer PDUs.....	44
9.2 Wireless Transport Layer.....	52
9.3 Wireless Network Layer Operation .....	61
9.4 WirelessHART Procedures.....	71
10 Network Management.....	85
10.1 Identity Commands.....	86
10.2 Establishing Communication with a Field Device .....	86
Annex A.        Revision History .....	90
A.1. Changes from Revision 1.1 to 1.2.....	90
A.2. Changes from Revision 1.0 to Revision 1.1 .....	90
A.3. Revision 1.0 (27 August, 2007).....	90