

ISO 27145-3:2012-08 (E)

Road vehicles - Implementation of World-Wide Harmonized On-Board Diagnostics (WWH-OBD) communication requirements - Part 3: Common message dictionary

Contents

	Page
Foreword	iv
0 Introduction	v
0.1 Overview	v
0.2 SAE document reference concept	v
0.3 SAE digital annex revision procedure	vi
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	2
3.1 Terms and definitions	2
3.2 Abbreviated terms	2
4 Conventions	3
5 Document overview	3
6 Unified diagnostics services (UDS) applicable to WWH-OBD	4
6.1 General	4
6.2 UDS on WWH-OBD overview	5
6.3 Electronic control unit (ECU) response message length too long	5
6.4 Message byte order	5
6.5 ReadDataByIdentifier(0x22) service	6
6.6 ReadDTCInformation (0x19) service	6
6.7 ClearDiagnosticInformation (0x14) service	14
6.8 RoutineControl (0x31) service	15
7 Application layer requirements	15
7.1 Application layer services	15
7.2 Application layer protocol	16
7.3 Addressing and timing requirements	16
8 Presentation layer requirements	25
9 Session layer requirements	25
Annex A (informative) WWH-OBD-related unified diagnostics service examples	26
Bibliography	44