

DIN SPEC 91383:2018-09 (E)

JT Industrial Application Package (JTIAP)

Contents	Page
Foreword	3
Introduction.....	4
1 Scope	6
2 Normative references	6
3 Terms and definitions.....	6
3.1 Terms — defined in ISO 14306:2017	6
3.2 Abbreviated terms — defined in ISO 14306:2017.....	6
4 Support of industrial use cases and need for scope extension	7
5 File format.....	9
5.1 General	9
5.2 File structure — defined in PSI 14-1:2016	9
5.3 File Header — defined in PSI 14-1:2016	9
5.4 TOC Segment — defined in PSI 14-1:2016.....	10
5.5 Data Segment — defined in PSI 14-1:2016.....	10
5.6 Precise Geometry Segment	10
6 Enhancement of the ISO 14306:2017 functionalities.....	11
6.1 General	11
6.2 Reading 9.5 JT — Format changes.....	11
6.3 Polygon Set LOD Element.....	11
6.4 Better compression.....	11
6.4.1 General	11
6.4.2 LMZA replaces ZLIB.....	12
6.4.3 Enhanced Int32 Compressed Data Paket.....	12
6.5 Enhanced Compressed Auxiliary Fields Array.....	12
6.6 Rationalized Topomesh Compressed Rep Data.....	12
6.7 Added per field final flags to JT attributes.	13
7 JT and AP242 BO Model XML.....	13
Annex A (informative) History and evolution of JT.....	14
Bibliography.....	16