

ISO/TR 19473:2015-09 (E)

Space systems - Best practices for orbit elements at payload - LV separation

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Symbols and abbreviated terms	1
2.1	Abbreviated terms	1
2.2	Symbols	2
3	Orbit elements and calculation conditions	3
3.1	Orbit elements	3
3.2	Data source	5
3.2.1	General	5
3.2.2	Guideline of correction about the external measurements	5
3.2.3	External measurement data accuracy	5
3.3	Coordinate systems and time systems	5
3.3.1	Coordinate systems	5
3.3.2	Time systems	7
4	Calculation method of Keplerian elements	7
4.1	Calculation method of orbit elements	7
4.2	Transformation of other orbit elements	9
4.2.1	Parameters of orbit size and shape	9
4.2.2	Parameters of orbit orientation	10
4.2.3	Parameters of satellite location	10
5	Calculation method of orbit elements error	10
Bibliography		12