

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms, definitions and abbreviated terms
3.1	Terms and definitions
3.2	Abbreviated terms
4	Collocation design process
5	Basic contents of collocation design process
5.1	Considerations
5.2	Initial collocation strategy design
5.2.1	Fundamental principle of separation strategy
5.2.2	The available separation strategy
5.2.3	Selection of collocation strategy
5.2.3.1	Selection principle
5.2.3.2	Selection method
5.2.4	Simulation Evaluation of Collocation Strategy
5.3	Final collocation strategy
5.4	Collocation agreement
Annex A	(informative) Fundamental principle of available separation strategy
A.1	The complete longitude separation strategy
A.2	Coordinated station keeping strategy
A.3	The absolute eccentricity separation strategy
A.4	The relative eccentricity vector separation strategy
A.5	The eccentricity and inclination vector separation strategy
Annex B	(informative) Characteristics of separation strategy
Annex C	(informative) Fundamental principle of separation strategy
Annex D	(informative) Sample of collocation evaluation strategy
Annex E	(informative) Common collocation cases and strategies
E.1	Two spacecraft collocation strategy
E.2	Triple spacecraft collocation strategy
E.3	More than three spacecraft collocation strategy