ISO 16781:2021 (E)

Space systems — Simulation requirements for control system

Contents

	I	Foreword	
	I	Introduction	
1	;	Scope	
2	I	Normative references	
3		Terms, definitions and abbreviated terms	
	3.1 3.2	Terms and definitions Abbreviated terms	
4	(Control system simulation	
	4.1 4.2 4.3 4.4 4.5	Simulation system scheme of control system Objectives of control system simulation Mathematical simulation and HITL simulation Simulation in different phases Simulation process	
5	General requirements		
	5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.7.1 5.7.2 5.7.3	Simulation report	
6		Requirements of conceptual design phase simulation	
	6.1 6.2 6.3 6.4 6.5 6.6 6.7	General Objective Input Output Simulation model requirements Simulation facility requirements Simulation operation requirements	
7	Requirements of detailed design phase simulation		
	7.1 7.2 7.3 7.4 7.5 7.6 7.7	General Objective Input Output Simulation model requirements Simulation facility requirements Simulation operation requirements	
8	Requirements of prototype phase simulation		
	8.1 8.2 8.3 8.4	General Objective Input Output	

	8.5	Simulation model requirements
	8.6	Simulation facility requirements
	8.6.1	Requirements of simulation devices
	8.6.2	Requirements of simulation environment
	8.7	Simulation Operation Requirements
9	Requirements of integrated system phase simulation	
	9.1	General
	9.2	Objective
	9.3	Input
	9.4	Output
	9.5	Simulation model requirements
	9.6	Simulation facility requirements
	9.7	Simulation operation requirements

Annex A (informative) Phase comparison between ISO 14300-1 and this document

Page count: 22