

ISO 19924:2017-09 (E)

Space systems - Acoustic testing

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	3
5	Test purpose	4
6	General	4
7	Test system	4
7.1	Test facility	4
7.2	Equipment requirement	5
7.2.1	Chamber system	5
7.2.2	Sound source system	6
7.2.3	Control system	6
7.2.4	Measurement system	6
8	Test technical requirements	6
8.1	Laboratory environment	6
8.2	Test condition and tolerance	7
8.2.1	Test condition	7
8.2.2	Fill effect	7
8.2.3	Test level tolerances	8
8.3	Specimen configuration requirements	8
8.4	Specimen installation requirements	8
8.5	Control requirements	8
8.6	Measurement requirements	10
8.6.1	Structure response measurement	10
8.6.2	Sound measurement	10
8.7	Safety	10
9	Test procedure	10
9.1	Test flow	10
9.2	Test procedure	11
9.2.1	Before the test	11
9.2.2	Test implementation	12
9.2.3	After the test	12
10	Test interruption and handling	12
10.1	Test interruption	12
10.2	Interruption handling	13
11	Test data and result evaluation	13
11.1	Test data	13
11.2	Result evaluation	13
12	Test documents	13

Annex A (informative)Methodsforcalculatingthepayloadfilleffect	14
Bibliography	17