

ISO 17400 “Space systems – Space launch complexes, integration sites and other facilities – General testing guidelines”

P.	Article	Previous version (2003)	Proposed changes (Plenary meeting 2018)	Resolution
1	p. 3.1	“Equipment and facility designed for launch vehicle storage, assembly, testing, preparation, maintenance, servicing and preparation for transportation to the launch pad”	“Equipment and facility designed for launch vehicle storage, assembly <i>and</i> testing, <i>and LV (space rocket) and spacecraft/payload(s) integration, post-integration testing, and launch</i> preparation, maintenance, servicing and preparation for transportation to the launch pad”	Accepted
2	p. 5.1	“Testing phases The following main system and launch pad and integration site types of tests should be adopted: main system factory testing; main system field testing; launch pad and integration site end-to-end testing; If necessary or on demand of the customer, other extra phases of tests are possible also.”	“ <i>Types of tests</i> The following main system and launch pad and integration site types of tests should be adopted: main system factory testing; main system field testing; launch pad and integration site end-to-end testing (<i>NOTE: including space complex flight testing</i>); If necessary or on demand of the customer, other extra <i>types of tests</i> are possible also.”	Not accepted. In the text it means the testing phases that pass one by one, not type of tests.

Comments 2018 (RU) – 22-May-2020

3	p. 5.5	<p>“The main system field testing should be conducted for the purpose of verifying main system operational readiness and determining system readiness for end-to-end testing (in the event the main systems are designated to undergo the end-to-end testing) or other subsequent test (if necessary).</p>	<p>“The main system field testing should be conducted for the purpose of verifying main system operational readiness and determining system readiness for end-to-end testing (in the event the main systems are designated to undergo the end-to-end testing) or <i>commissioning, if main systems aren’t designated to undergo the end-to-end testing...</i>” further in the text</p>	Accepted
4	p. 5.5		<p>To add: <i>“Systems readiness assessment for end-to-end testing or commissioning, if systems aren’t designated to undergo the end-to-end testing”</i></p>	Accepted
5	p. 6.3.3	<p>“Report on the electric equipment insulation resistance included in the main systems or connected thereto and the electric equipment of the cable network connected thereto.”</p>	<p>“Report on the <i>verification of</i> the electric insulation resistance <i>of electronic components and network cabling included in the main system(s).</i>”</p>	Accepted

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6	p. 6.6.5	“submission of the agreement on the readiness of the launch vehicle and spacecraft mock-ups for end-to-end testing (the launch vehicle and spacecraft development organizations provide to the space complex customer individual agreements on their readiness for the testing)”	“submission of the agreement on the readiness of <i>the launch vehicle pre-flight testing model</i> and spacecraft <i>mock-up</i> for end-to-end testing (the launch vehicle and spacecraft development organizations <i>should provide</i> their readiness for the testing as <i>required by the space complex regulating authority</i> ”	Accepted
7	p. 6.6.8	“The space complex development organization should obtain the approval of the customer representative and the test organization for acceptance of the launch vehicle and space craft mock-ups to the joint effort between the launch pad and integration sites during testing”	“The space complex development organization should <i>ensure that they receive formal approval of the launch vehicle pre-flight testing model and spacecraft mock-up by the launch vehicle and spacecraft customer representatives and the launch test organization(s), before approving access to the launch pad and integration site for end-to-end testing by these customer and test organizations (joint effort between the launch pad and integration sites).</i> ”	Accepted