

Operability (OIRD Harmonisation)

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The operability requirements that are placed on manufacturers are aimed at ensuring the space segment and ground segment can operate in a common, standard manner that will maximise the re-use of both space and ground elements, thereby reducing cost, risk and ensuring more robust missions. The ECSS-E-ST-70-11 defines the space segment operability standard that has been the basis for tailoring mission specific requirements. Over the years, several flavours of operability requirements have evolved to cater for the specificities of Low Earth orbiters, Interplanetary missions and Scientific missions. Under SAVOIR these variations have been analysed and captured in a single document. The issues faced, solutions identified and the future steps relating to ECSS standards are presented.