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Sommario/riassunto	The framework of building a distributed ocean observing software system based on complex virtual instruments (CVIs), which are used for processing and displaying the collected data from ocean instruments and the related metadata, is defined in this standard. This framework provides the guidelines for the CVI-based development process, in which CVI structure design covers management of observed data and metadata, virtual instrument engine based on geospatial information, and service interfaces for CVI interactions. CVI mapping schemes describe the correspondence from observed objects to CVIs. CVI relations define the relationships between CVIs and describe the methods of extending and compositing multiple CVIs.