





CubeSat System Reference Model™ (CSRM™) Quick Look

Space Systems Working Group (SSWG)

Co-Chairs

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CSRM Background





CSRM Project Objectives

- International Council on Systems Engineering (INCOSE) Space Systems Working Group (SSWG) project
- Objectives of CSRM Project
 - Demonstrate Model-Based Systems Engineering (MBSE) as applied to a CubeSat Mission
 - Develop a CSRM that a university team can uses as starting point for their mission-specific model
 - Develop the CSRM as an Object Management Group (OMG) Specification





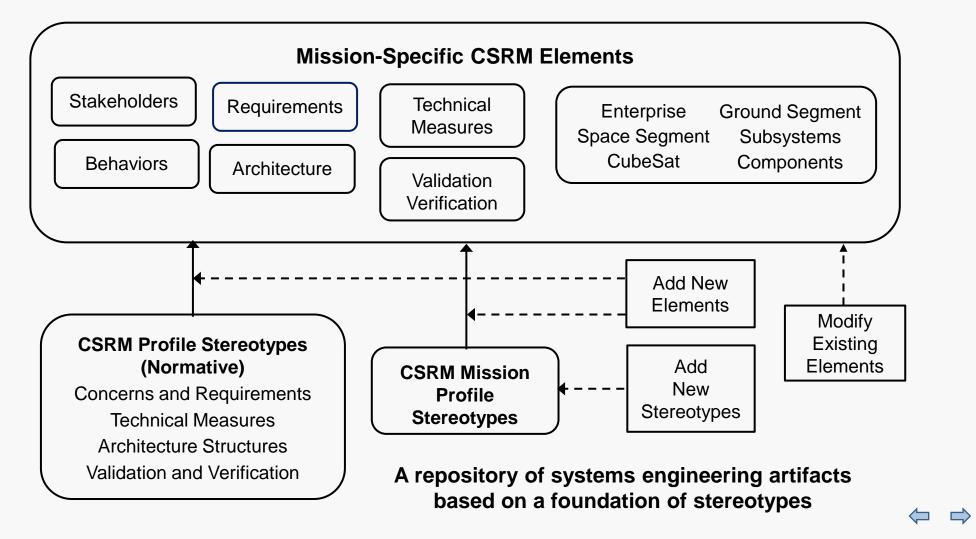
CSRM Pedigree

- Object Management Group (OMG) An International Technical Standard Consortium An International Voluntary Consensus Standards Body (VCSB)
 - The CSRM was developed in response to an OMG Request for Proposal (RFP)
 - In the past, OMG Specifications have been entirely document-based
- International Council on Systems Engineering™ (INCOSE™) A Systems Engineering Organization and **Professional Society**
 - INCOSE and several others responded to the OMG RFP.
 - The INCOSE CSRM was selected to continue development



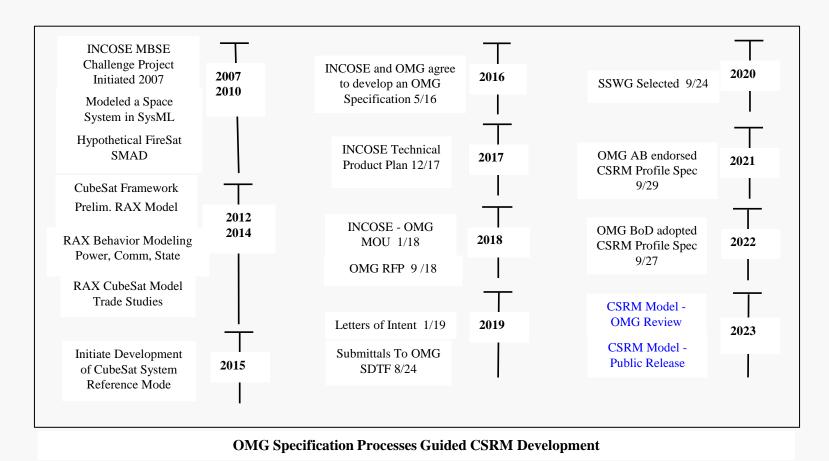


CSRM Elements



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CSRM Development Timeline



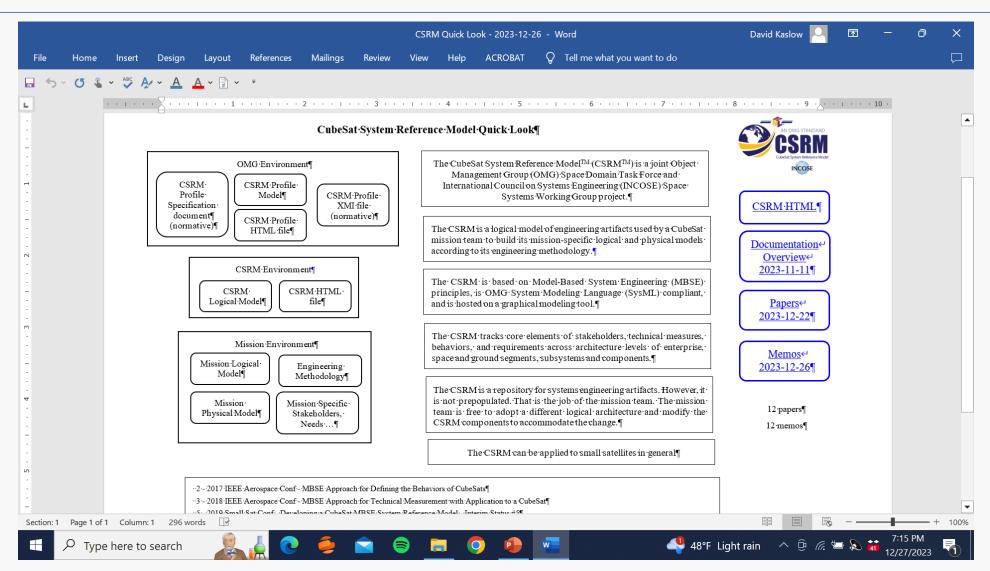




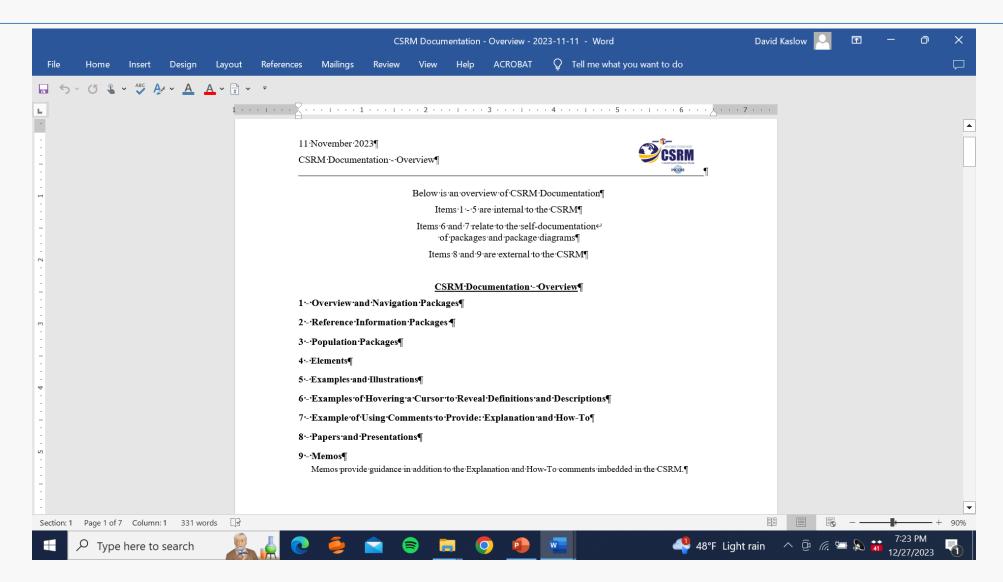
CSRM Quick Look



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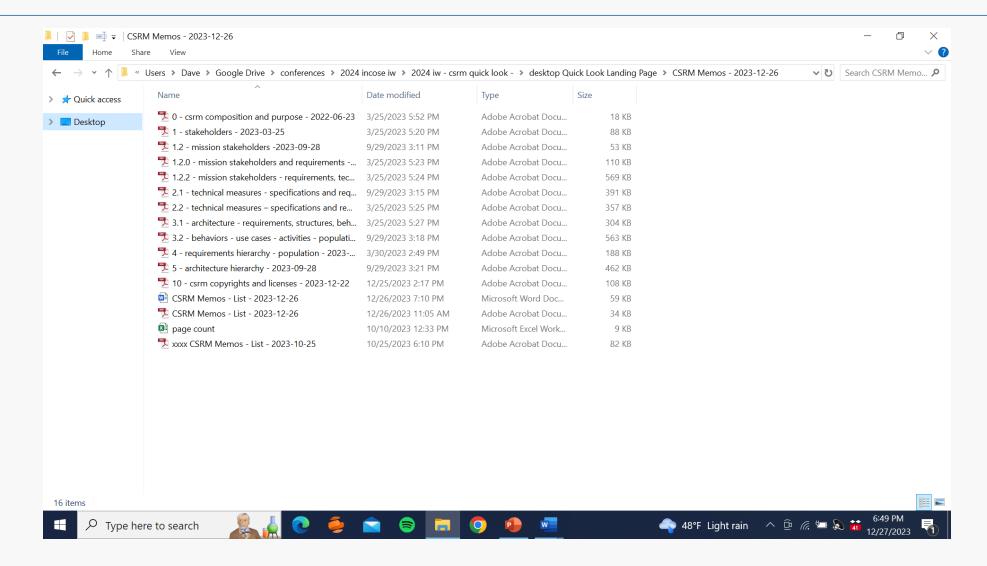


Documentation Screen Shot





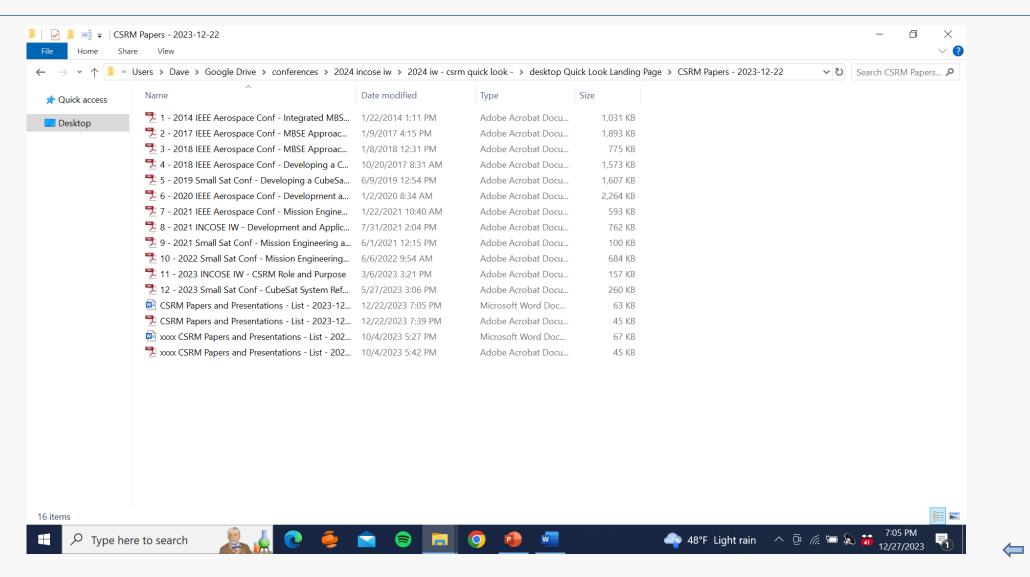
Memos Screen Shot



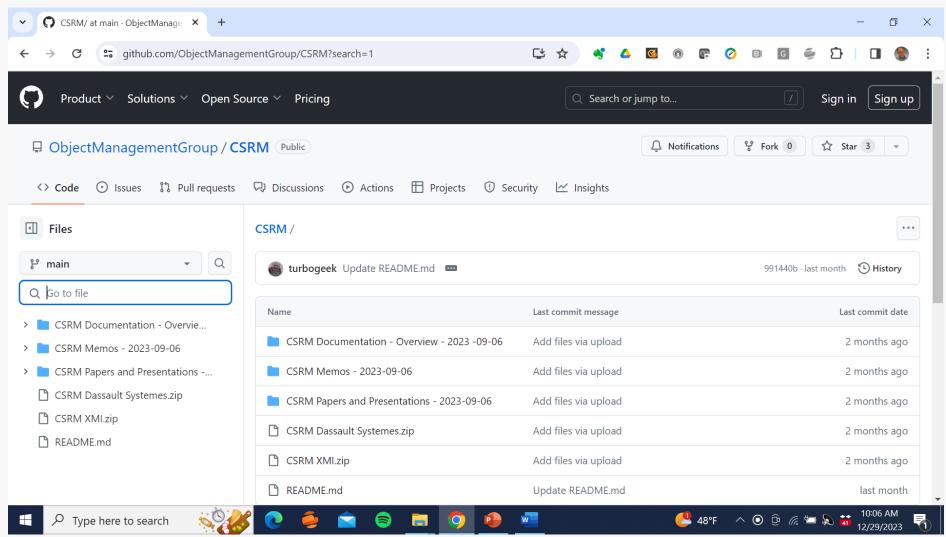




Papers Screen Shot



CSRM GitHub



Next Steps

Next steps



