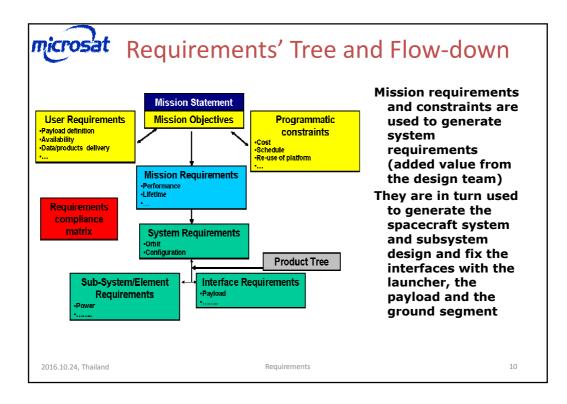


nicrosat	Requi	irement Hierarchy	SPACE SCIENC
Requirement types	Respon.	Content	Document
User Requirements/ Mission Objectives	User	Non-technical, high level, general	URD or Mission Objectives Document
Mission Requirements	Customer/ Sponsor	Functional, technical, overall performance. Applies to the Mission	MRD or MSRD
System Requirements	Customer/ Sponsor	Functional, technical, overall performance. Applies to the System	SRD
System Requirements Specification	System Developer	Detailed, technical, reflects the design. Represents the interpretation of the customer req.s from the developer	System Specification
Lower level specifications	Lower Tier Supplier	Very specific and detailed, one-to-one correspondence to system requirements	Element, Subsystem or unit specification
Interface Requirements	Customer	Allows connecting the system with other systems	IRD and ICD
Operations	Operator	Constraints due to operations	OIRD



icrosat	Requirements Evolution					
Requirement definition phase ↓ Requirements negotiable	Evolution and detail of the requirements ↓ Lead to Preliminary Requirement Review by the end of the phase	Requirement are frozen by the beginning of the phase (System Requirement Review - SRR)	System and Sub requirements are specifications → Any requirem has a heavy cost	e translated into ent modification		
Phase 0	Phase A	Phase B	Phase C	Phase D		
Design Cycle	· ·					
2016.10.24, Thailand		Requirements		1		

microsat	Requirements' iteration				
Link between req.s and design in initial mission phases: req.s are allocated top-down but bottom-up design verification is used to confirm them					
Mission requ	Mission req.s achievable ?				
Design	Confirm/freeze req.s				
2016.10.24, Thailand					

