1.	Reference
Ni	ımber:

JA-037b

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Space Station Control Board (SSCB) ISS Mission Management Team (IMMT) Multilateral Systems Engineering and Integration Control Board (MSEICB)			3. 🗅	ate: Oct 18, 2017				
4. Title: OA8 external NRCSD Cubesats	megration control bo	lard (MOLICE)						
5. The following items have been approved for jettise International Partner Program Managers or their MS a) Lemur-2 (8 Satellites) b) CHEFSat c) AeroCube 7 B/C (2 Satellites) d) PropCube e) ISARA f) Asgardia	on by the general part EICB designees.	nership of the Inte	ernatio	onal Space Station Progr	am, as agreed to by the			
6. Initiator Name:	Organization/Co	ompany:			Phone:			
Charles Gray	ОМ				281-244-8525			
7. NASA Responsible POC:	Organization:				Phone:			
Charles Gray	ОМ				281-244-8525			
8. Flight Effectivity: OA8			EVA	(if applicable): N/A				
9. Requirements from PPD 1011, Multilateral ISS and	d ISS Visiting Vehicle	Jettison Policy (se	ee PP	D 1011 Rev B for comple	ete list of criterion)			
 Expedited Approval Criteria: Candidate has 3.1-2 – Jettison candidate has demonstrated the 3.2-1 – Analysis has demonstrated that jettison Expedited Approval Criteria: Jettison is plar utilizing a jettison/deployment method that he 3.2-2 – Jettisoned object demonstrates safe re Expedited Approval Criteria: Candidate presented 	hat risk of on-orbit frag n candidate will not col nned to occur from a lo nas been previously al lative motion with the	mentation has be ntact any ISS stru ocation and in a d nalyzed and appro ISS.	een co icture irectio oved.	ontrolled. during jettison. on which has been previo				
	Deploy dV (m/s)	BN (kg/m²)			nona.			
-	< 0.5	≤ 100	_					
-	≥ 0.5	≤ 120						
3.2-3 – Candidates with systems capable of modifying or adding energy into the candidate's orbit have demonstrated that they do not pose a collision hazard with ISS or visiting vehicles. ☐ Expedited Approval Criteria: Jettison candidate does not have systems capable of modifying or adding energy into the candidate's orbit. ☐ 3.3-1 – Jettison shall be scheduled such that there is sufficient time to determine the jettisoned object's orbital parameters and assess effects on any visiting vehicle operations. ☐ If the above criteria cannot be met, see blocks 11 and 12 for exception to the policy.								
10. Jettison Rationale (must fall into one or more of th	e following categories	·)						
☐ Items that pose a safety issue for the ISS or for return onboard a visiting vehicle (contamination, materials, degradation, etc.) ☐ Items that negatively impact ISS utilization, return or on-orbit stowage manifests ☐ Items that represent an EVA timeline savings ☐ Items that are designed for jettison								
11. An exception is granted to the following requireme	ent(s):							
3.2-3 Expedited Approval Criteria: All Cubesats meet the Expedited Approval Criteria with the exception of the 2 AeroCube 7 B/C satellites, which have a warm water propulsion system.								
12. Rationale for the exception:								
Analysis provided by the AeroCube 7 Payload Developer and NanoRacks validates that the satellite still meets the 3.2-3 Requirement: the dV capability of the satellite is so low as to not pose a collision hazard with ISS or visiting vehicles. AeroCube conservative maximum dV is 0.033 m/s. Faking this value into account, TOPO analysis demonstrates that the risk posed by this propellant system is not appreciably greater than the risk posed by a non-propulsive satellite.								

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	13. Submitting Signatures		-			
13a. Initiator	10. Outsiliking olgitation					
Print Name:	Charles Gray			Phor	e:	281-244-8525
Signature:	Chy last	T F RATE (100) 1 COT BARRA A NEW COST BRANCH ARE (NOT A CORNEL OF A CO.	***************************************	Date		6/25/17
13b. NASA Resp						64
Print Name:	Adam/Baker /			Phon	e:	281-483-2747
Signature:	MIM	1863-913-613-613-613-61-61-61-61-61-61-61-61-61-61-61-61-61-		Date		10/25/17
	14. Concurrence Signatures					
14a. ISS Safety i	Review Panel:					
Print Name:				Phon	e:	
Signature:		an contrated administration of the first Milectua		Date:		
14b. Multilateral	Systems Engineering & Integration Office:					
Print Name:	Jeff Arend			Phone	e:	281-244-7038
Signature:				Date:		
15. Internationa	al Partner	Appro	ve o	f Deci:	sion	Dissenting Opinion
Roscosmos		Υ		N		
Canadian Space A	gency	Υ		N		
European Space A	gency	Y		N		
Japan Aerospace I	Exploration Agency	Y		N		
Agenicia Spatiale I	taliano	Y		N		
Official Poll Taken l	By:			(7)	25/	17