

**Preliminary Workshop
for
the 4th Mission Idea Contest
- Overview -
“From Concept to Reality”**



**July 3, 2015
The Review Committee**



History

- 3 Mission Idea Contests and 1 workshop have been held to stimulate creative use of micro/nano-satellites since 2010.
- Aerospace engineers, university students, consultants and others participated to propose mission ideas.



MIC3 final presentation,
Nov 19, 2014,
Tokyo, Japan



MICs and Pre-MIC4 Track Records

	MIC1	MIC2	PreMIC3	MIC3
Satellite mass	<15 kg	<50 kg	<50 kg	<50 kg
No of satellites	2 or more (constellations only)	1 or more (const's not required)	Same as MIC2	Same as MIC2
Category	Mission idea for nano-satellite constellation	Satellite design Business model	Users Developers	Only 1 category



Lessons Learned

- Great ideas brought by finalists and semi-finalists.
- But they need to recognize issues in technologies, finance, human resources and others.
- **Pre-MIC4 workshop** is to facilitate collaboration among industry, university and government communities for the use of micro/nano-satellites.



MIC3 poster presentation,
Nov 19, 2014,
Tokyo, Japan



Pre-MIC4 Criteria

	MIC1	MIC2	PreMIC3	MIC3	PreMIC4
Satellite mass	<15 kg	<50 kg	<50 kg	<50 kg	<50 kg
No of satellites	2 or more (constellations only)	1 or more (const's not required)	Same as MIC2	Same as MIC2	Same as MIC2
Category	Mission idea for nano-satellite constellation	Satellite design Business model	Users Developers	Only 1 category	Mission Proposers Resource Providers



Workshop Participants

- Mission Proposers
Anybody who has practical application ideas of micro/nano-satellite(s).
- Resource Providers
Corporations, space agencies or other government sectors as well as individuals.



Process and Timeline

Mission Proposals : Deadline March 3, 2015

**Proposals selection : March 31,
abstracts posted on the website.**



Resource Providers : Deadline April 10, 2015

Resource Providers notified : April 30, 2015



Selected Proposers and Providers introduced

Contact each other to exchange information and opinions



Presentation in Tokyo at Pre-MIC4 workshop on July 3



Pre-MIC4 Workshop Objectives

- To create favorable environment to facilitate domestic/international collaboration for the use of micro/nano-satellites.
- To invite resource providers who will provide support and provide resources to realize mission ideas.
- Resource providers could be corporations, space agencies or other government agencies.

Pre-MIC4 workshop will provide a forum for MIC participants by inviting **resource providers for international collaboration and partnership.**



Resource Providers Contribution

- Mentoring/consultation, components, technical supports, launch arrangement, financial supports, manpower for project management, mission equipment, testing facilities, ground station, training course, software, etc.
- Provide information to help MIC proposal team(s) to grow their ideas to plans, then to real missions.
- Introduce their services and/or products and explain how they can contribute to mission ideas.
- Support may apply to particular team(s) in Pre-MIC4 as well as future MICs.



Today's Schedule

1. Presentation by Mission Proposers
 - 15 minutes for presentation
 - 5 minutes for Q&A (from Reviewers and Resource Providers)
2. Lunch (Reviewer meeting)
3. Presentation by Resource Providers
 - 10 minutes for presentation
 - Mission Proposers can incorporate in their proposals.
4. Poster Presentation by Mission Proposers
 - Reviewers visit each poster presentation for Q&A.
5. Country Report (Reviewers meeting)
6. Award Ceremony
7. Reception



Let's Start!



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