

# ITU/PITA RRS-16 for Asia & Pacific Emergency Communications: The Role of Satellites



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SKY Perfect JSAT Corporation JAPAN

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#### Largest Satellite Operator in Asia

>Japan Communications Satellite Co. established in 1985

First satellite launched in 1989

Over 25 years of experience in satellite business

both in Japan and globally

✓ Government

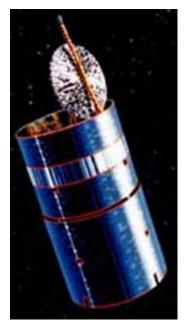
✓ Power Companies / Gas Companies

✓ Telephone / Mobile phone companies

✓ TV/Media

Managed VSAT services

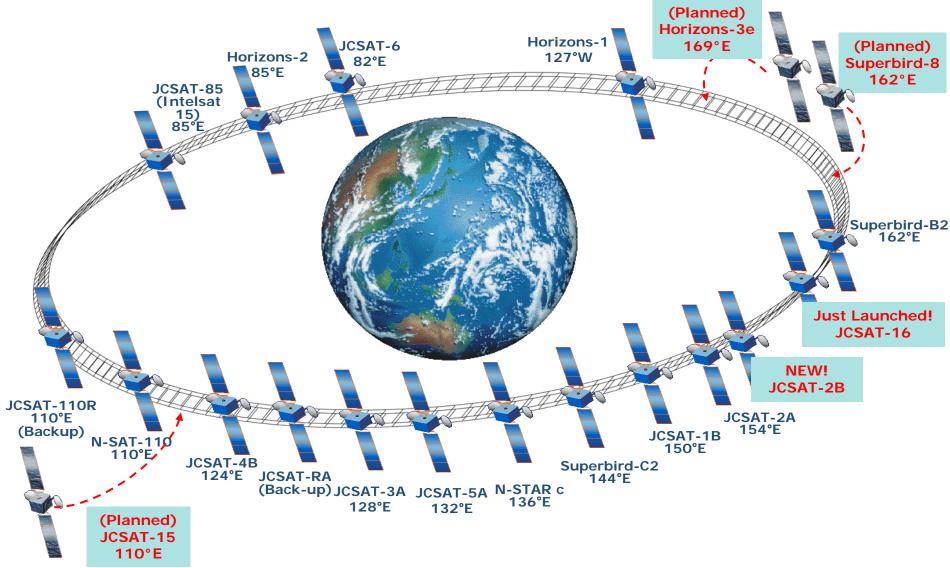
Extensive experience in SATCOM during natural disasters



## **JSAT Satellite Fleet**



#### Fleet of 17 satellites + 3 more satellites in the near future!





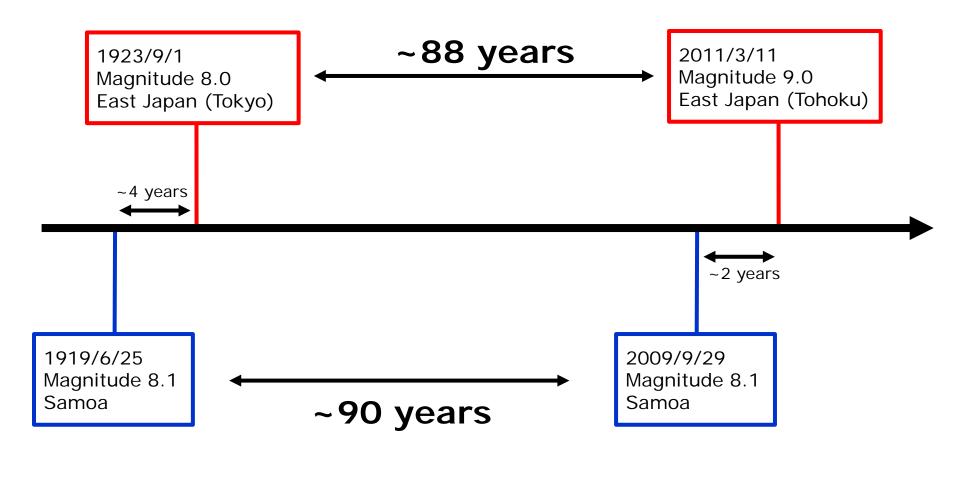
- 1. Island Nations in the Pacific Ocean
  - Multiple islands

World Rugby Rankings (as of 2016/9/19)
Fiji (10<sup>th</sup>), Japan (12<sup>th</sup>), Samoa (14<sup>th</sup>), Tonga(15<sup>th</sup>)

- **3**. Prone to Natural Disasters
  - Earthquake







Note:

Information on this slide is about the dates of the events. Any findings derived from the dates have no scientific background.

### **3 Phases of Natural Disasters**





Communication for Government, Military, Police, Fire fighters, etc.

Communication for Telephone Companies & Mobile Backhaul

Communication at Evacuation Shelters

#### **Case study: Earthquake Warning System**





#### **Case study: SATCOM for Search & Rescue**

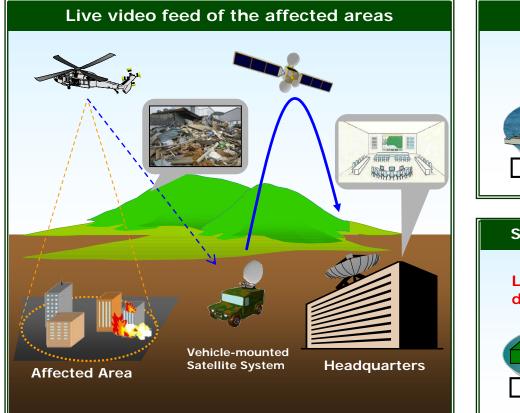


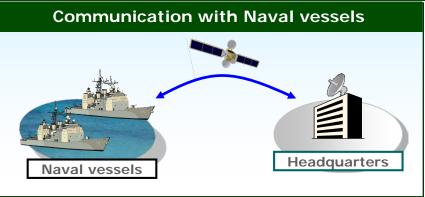
(Pre&)Occurrence

Search & Rescue

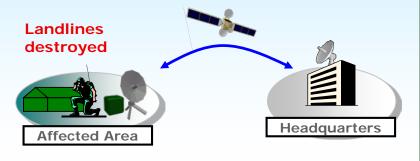
**Restoration & Recovery** 

Japan Self Defense Force (JSDF) and Police Force immediately commenced reconnaissance missions and sent their respective servicemen & servicewomen to the affected area.





Satellite communication with flyaway VSATs



Search & Rescue Operations commenced immediately using live info from affected areas

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#### **Case study: SATCOM for Mobile Backhaul**

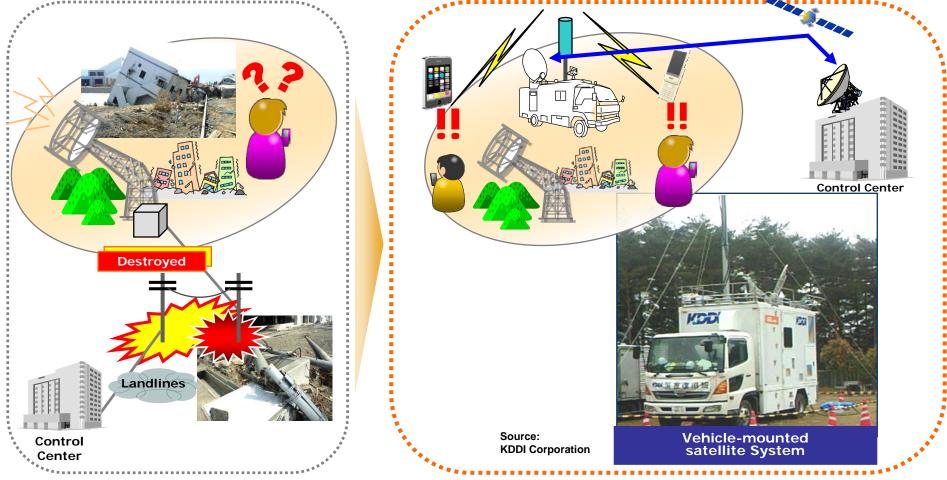


(Pre&)Occurrence

Search & Rescue

**Restoration & Recovery** 

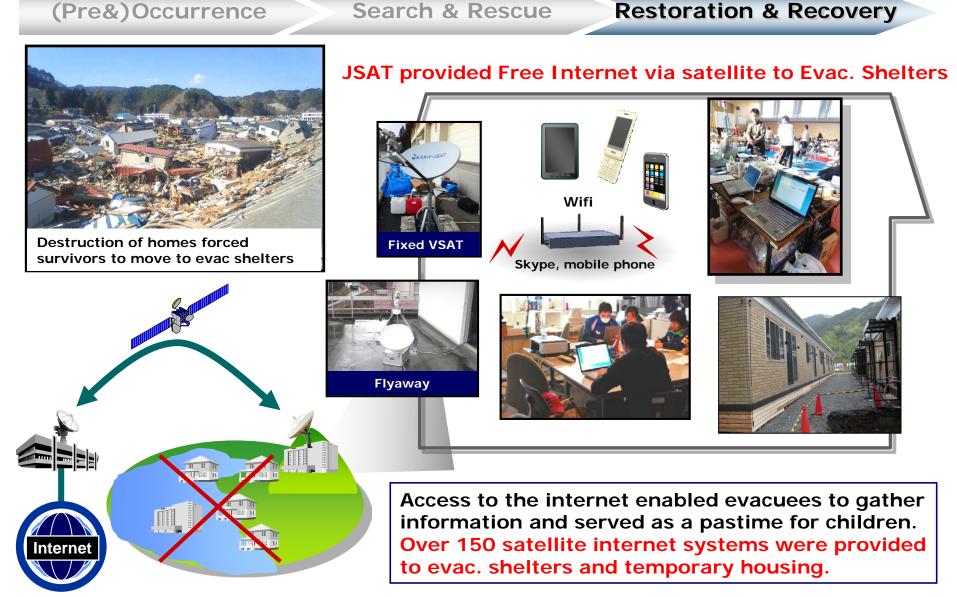
Terrestrial systems were destroyed by the tsunamis, SATCOM was used for mobile backhaul. Approx. 40 vehicle-mounted satellite systems were operated by mobile phone companies in 2011.



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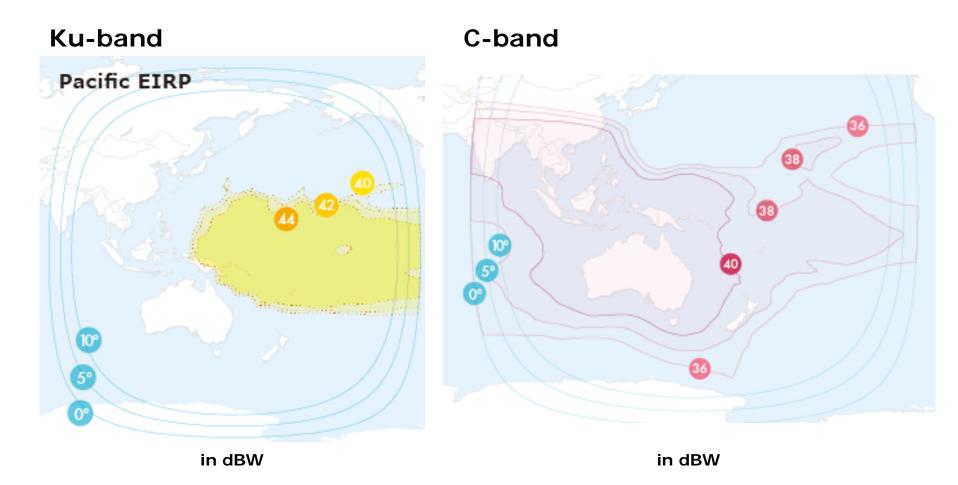
#### Case study: SATCOM at Evac. Shelters







#### **JCSAT-2B Satellite**





# Fa'afetai! Thank you!

Visit our website at www.sptvjsat.com/en !

For information on Space & Satellite Business visit <a href="https://www.jsat.net/en/">www.jsat.net/en/</a> !

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