

Capital Products & Review

“SafetyBIRD,”

Satellite multicast service of Earthquake Early Warning has just started

– SCC delivers the disaster information nationwide, instantly and certainly –



◆ What is “Earthquake Early Warning”...

“Earthquake Early Warning (EEW)” is the information that provides warnings before S-wave (secondary wave of an earthquake) arrives to reduce seismic hazard. The information includes expected arrival time of S-wave and seismic intensity, which are generated by using observed P-wave (primary wave) at a seismograph near hypocenter of an earthquake. The Japan Meteorological Agency (JMA) has established a council to investigate the utility of EEW and has delivered the EEW data to the council members experimentally since Feb 2004.

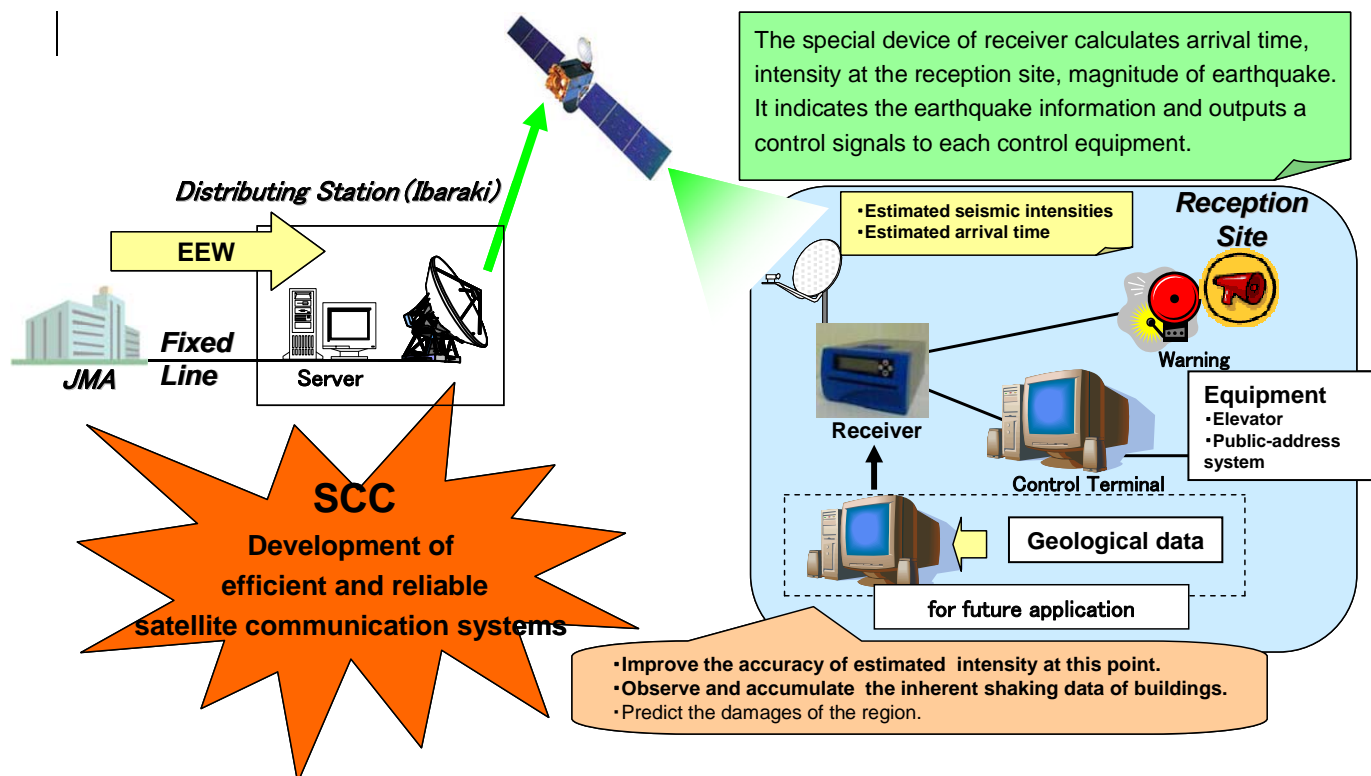
Space Communications Corporation (SCC) has joined the experimental council since June 2004 and discussed how to utilize this information with partner enterprises. With such experiences and accumulated know-how, SCC has started to provide “*SafetyBIRD*,” satellite multicast service of EEW.

◆ Advantages of *SafetyBIRD*

1. Multicast EEW nationwide and instantly via SUPERBIRD communication satellite. Pursue real-time distribution and deliver EEW within one second after receiving it from JMA.
2. Adopt duplicated distribution system and data encryption to ensure reliability and security of the information,
3. Able to construct stable reception system at reasonable price by using a dedicated receiver developed by SCC.
4. Adopt a standard interface specification which enables easy connection with other system and mutual back-up with terrestrial line.

Utilizing advantages of satellite communications system which is resistant to natural disasters, SCC plans to expand *SafetyBIRD* in the near future into “general information platform for disaster prevention and recovery via satellite.”

Network architecture of *Safety*BIRD



IT Evolution
by *Superbird*

Contact:

Keisuke Okumura (okumura.keisuke@superbird.co.jp) or
Sanae Takenoshita (takenoshita@superbird.co.jp),
New Business Development division, Marketing & Business Development Group,
Space Communications Corporation
Tel: +81-3-5462-1379