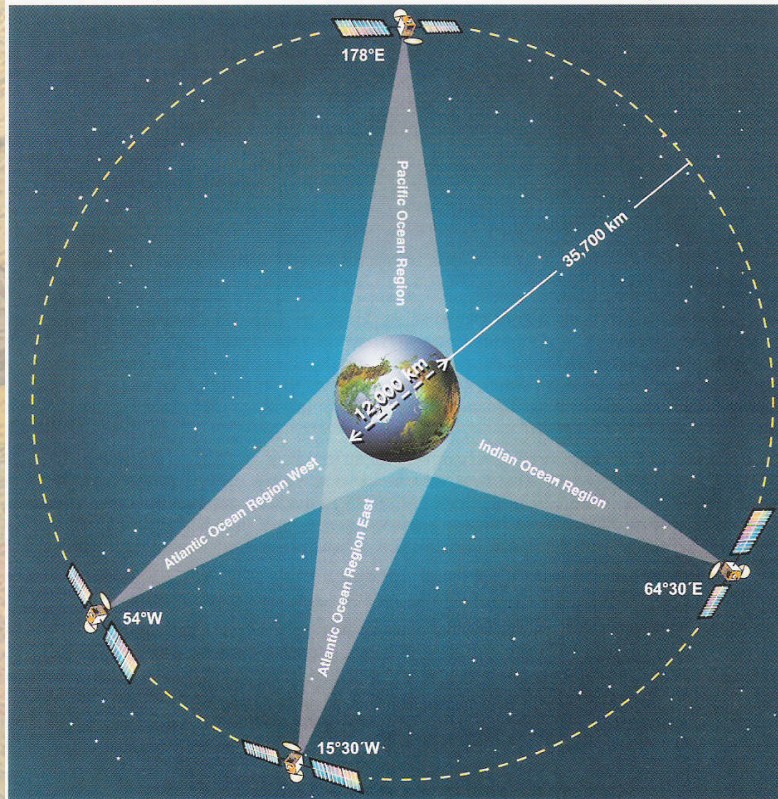


Communication System That Support the GMDSS

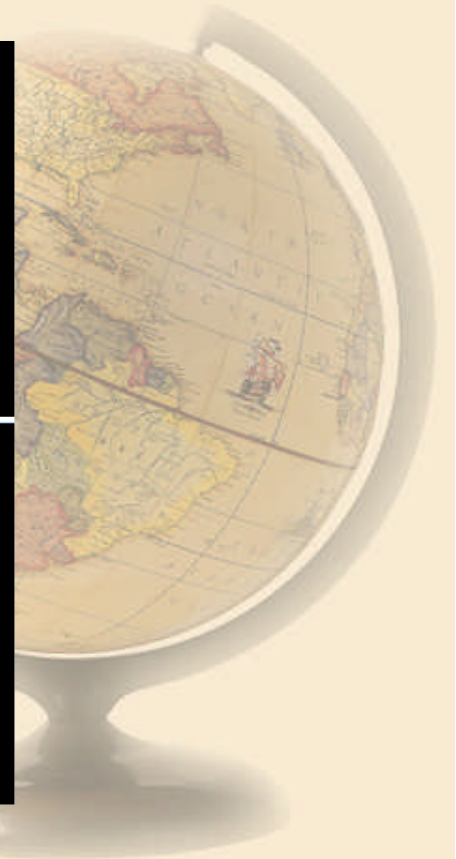
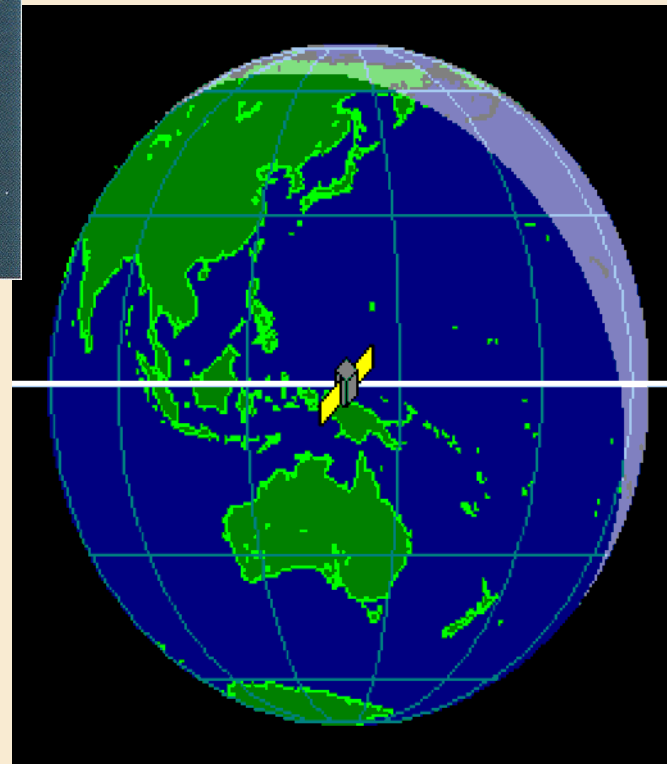
1. Inmarsat Geostationary satellite system
2. COSPAS-SARSAT polar orbiting satellite system
3. Maritime Mobile Service VHF bands
(156 MHz – 174 MHz)
4. Maritime Mobile Service MF bands
(415 kHz – 535 kHz and 1605 kHz – 4000 kHz)
5. Long Range Service HF bands
(4,6,8,12 and 16 MHz)



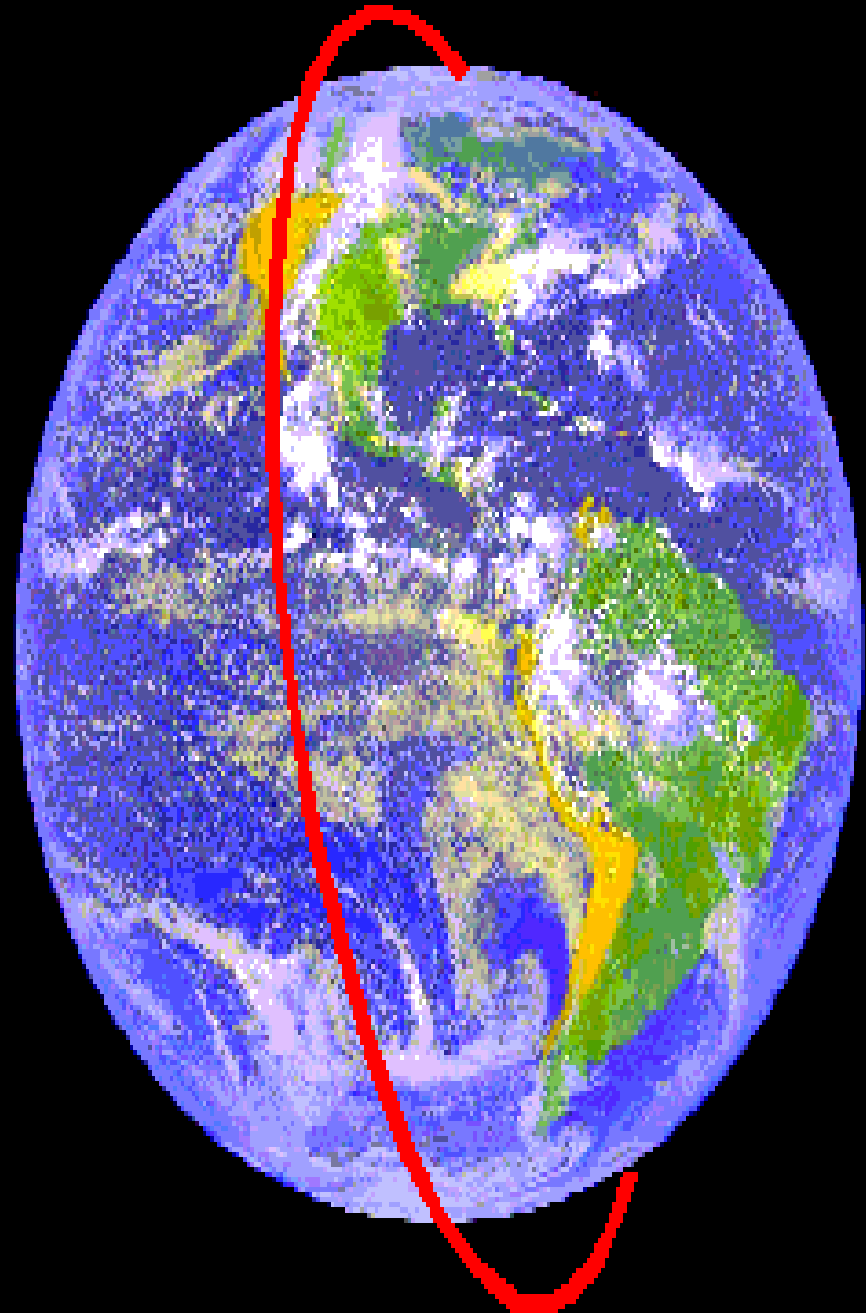
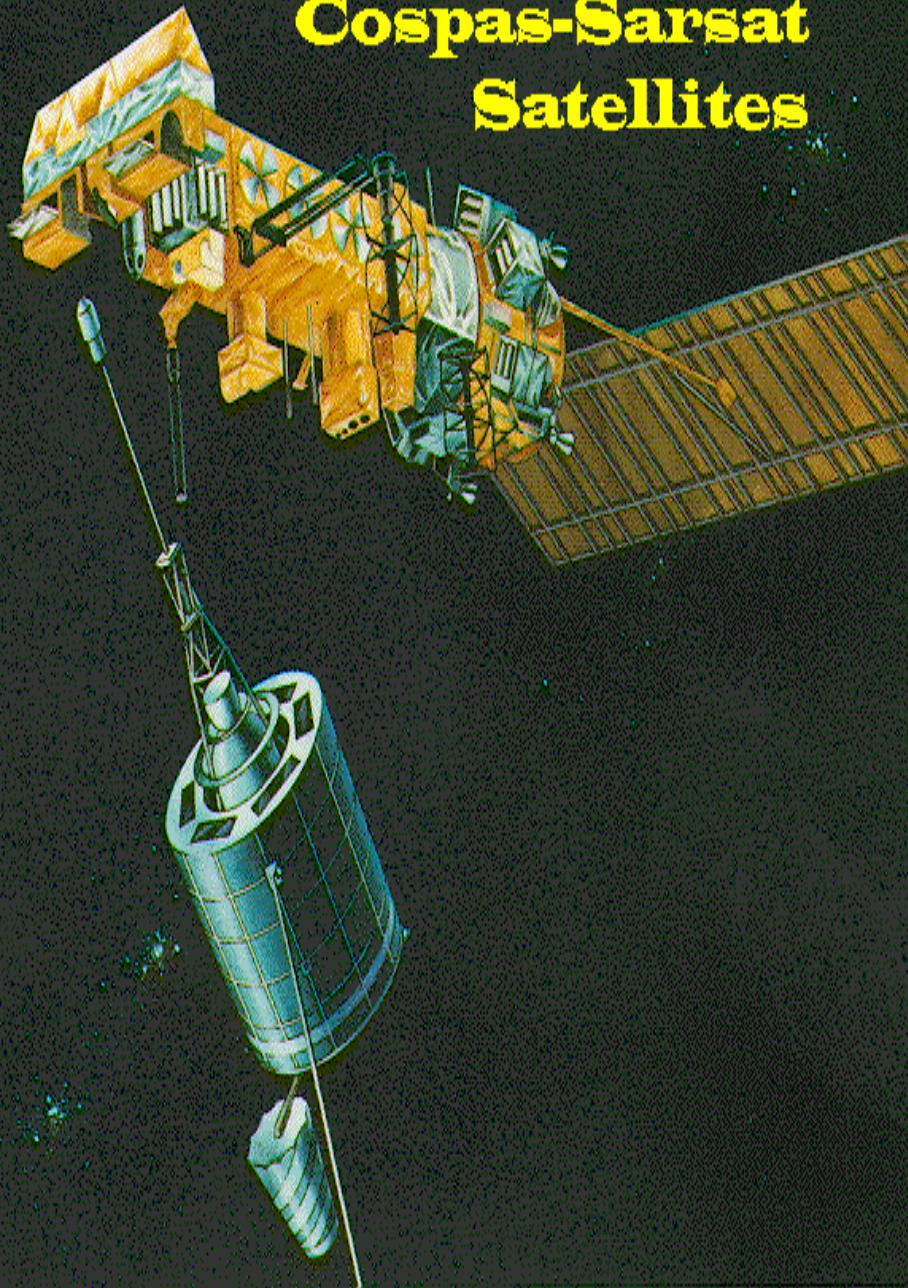
Figure 4 - Inmarsat Geostationary Satellite Coverage



- Satellite is orbiting directly over the equator
- Remains in geosynchronous orbit with the earth's rotation
- Appears stationary relative to a point on the Earth's surface



Cospas-Sarsat Satellites





VHF DSC and VHF Radiotelephony

MF/HF RT

MF/HF DSC

MF/HF DSC

MF/HF Radiotelex

