

iDirect KA band services

THOR 7 coverage mobility VSAT



TARGET AREA

North Sea, Norwegian Sea, Baltic Sea, Black Sea, Persian Gulf and the Mediterranean

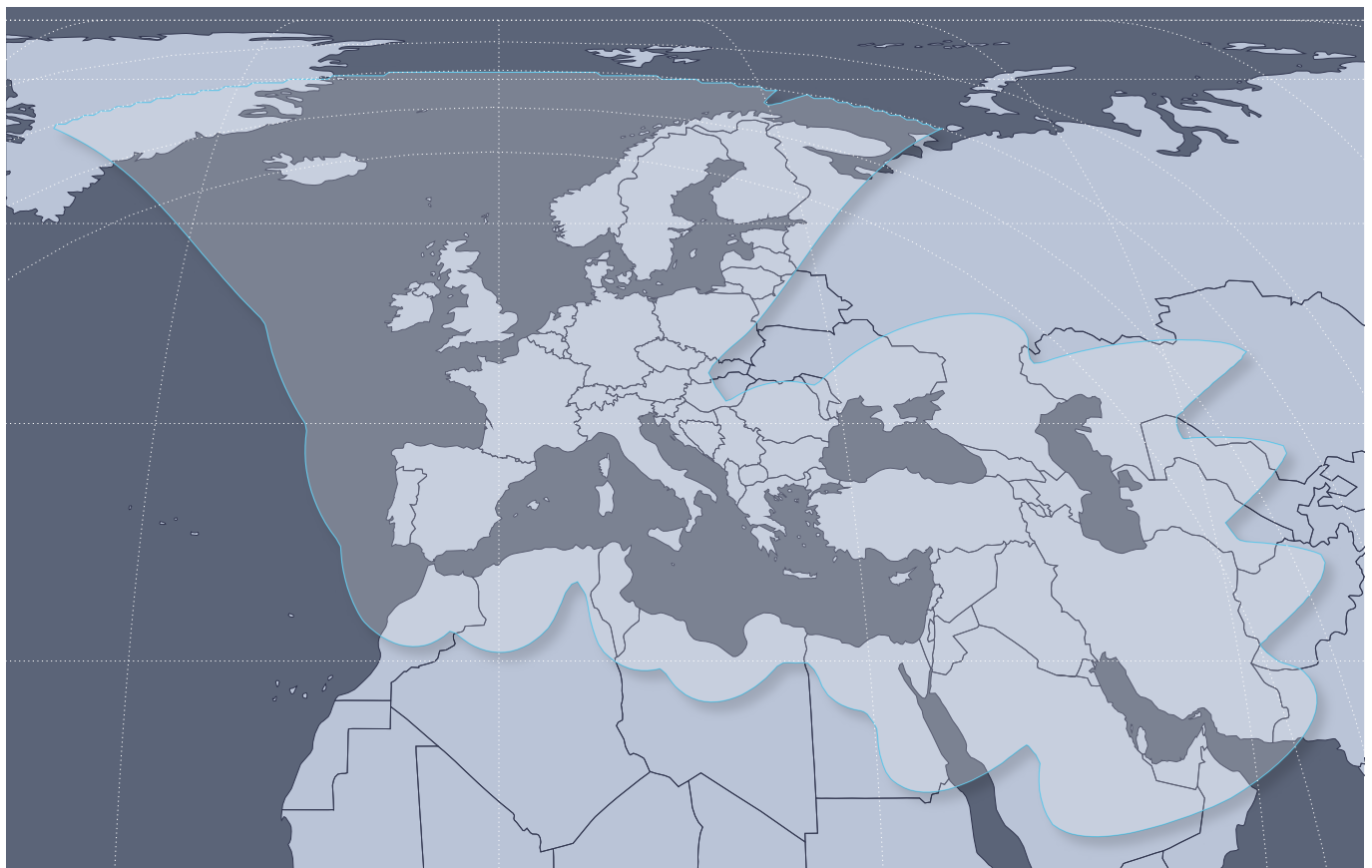
The THOR 7 satellite provides regional coverage with a favourable look angle over the Pan European maritime routes and utilises focused high-powered spot beams, enabling unprecedented performance for mobility applications. Supported by the iDirect next generation Velocity© platform, Telenor Satellite is able to offer automatic and seamless spot-beam handover, assuring continuous connectivity across the entire satellite footprint.

BENEFITS

- Optimal high-powered coverage allows the delivery of many more Mbps.
- Lower cost solution for always on connectivity.
- Smaller antenna solutions offering a wide range of broadband services up to 12M/3M on 60cm antennas.
- A wide choice of fixed service packages to suit specific requirements from 512/128 Kbps up to 24/6 Mbps.

FEATURES

- Large Pan-European mobility footprint.
- Offering a wide range of bandwidth profiles.
- Seamless spot beam handover.
- One Touch Commissioning (OTC) which allows automation of 1dB compression test, eliminating time consuming manual operations.
- New web based monitoring tool (iDirect PULSE), offering full control of your VSAT connection on any device.
- Rain fade mitigation techniques assures a 99.5% link availability via physical antenna diversity, Adaptive coding and modulation and inbound adaptivity.



Bandwidth packages

Bandwidth packages for 60 cm and 1 metre antennas

SERVICE PROFILE MIR BANDWIDTH	SERVICE CONTENTION RATE	SERVICE PROFILE CIR BAND- WIDTH (Kbps)	SERVICE TOTAL CIR (KBPS) (Kbps)
512/128kbps	1:1	512/128	640
	1:2	256/64	320
	1:5	102/26	128
	1:10	51/13	64
1024/256kbps	1:1	1024/256	1280
	1:2	512/128	640
	1:5	205/51	256
	1:10	102/26	128
	1:20* FAP	51/13	64
2048/512kbps	1:1	2048/512	2560
	1:2	1024/256	1280
	1:5	410/102	512
	1:10	205/51	256
	1:20* FAP	102/26	128
4/1Mbps	1:1	4000/1000	5000
	1:2	2000/500	2500
	1:5	800/200	1000
	1:10	400/100	500
	1:20* FAP	200/50	250
8/2Mbps	1:1	8000/2000	10000
	1:2	4000/1000	5000
	1:5	1600/400	2000
	1:10	800/200	1000
	1:20* FAP	400/100	500
12/3Mbps	1:1	12000/3000	15000
	1:2	6000/1500	7500
	1:5	2400/600	3000
	1:10	1200/300	1500
	1:20* FAP	600/150	750
Symmetrical profiles			
512/512Kbps	1:1	512/512	1024
	1:2	256/256	512
	1:5	128/128	256
	1:10	51/51	102
1024/1024kbps	1:1	1024/1024	2048
	1:2	512/512	1024
	1:5	256/256	512
	1:10	102/102	205
2048/2048kbps	1:1	2048/2048	4096
	1:2	1024/1024	2048
	1:5	410/410	819
	1:10	205/205	410

Bandwidth packages for metre antennas only

SERVICE PROFILE MIR BANDWIDTH	SERVICE CONTENTION RATE	SERVICE PROFILE CIR BAND- WIDTH (Kbps)	SERVICE TOTAL CIR (KBPS) (Kbps)
16/4Mbps	1:1	16000/4000	20000
	1:2	8000/2000	10000
	1:5	3200/800	4000
	1:10	1600/400	2000
	1:20*FAP	800/200	1000
20/5Mbps	1:1	20000/5000	25000
	1:2	10000/2500	12500
	1:5	4000/1000	5000
	1:10	2000/500	2500
	1:20*FAP	1000/250	1250
24/6Mbps	1:2	12000/3000	15000
	1:5	4800/1200	6000
	1:10	2400/600	3000
	1:20*FAP	1200/300	1500

TERMINAL EQUIPMENT

- iDirect X7 modem or iDirect CX-700 core module
- Antennas*:
 - Intellian V100Ka and V60 Ka
 - Cobham Sailor 900 Ka & 600 VSAT Ka

*Telenor Satellite is presently approving additional manufacturers, please visit www.telenorsat.com for latest updates

*FAP (Fair Access Policy) is an iDirect feature allowing control of volume of Megabytes to be used during a monthly contract subscription based upon the contracted total CIR per vessel. This will be applied to the service at a later date.

DEFINITION OF TERMS MIR - Maximum Information Rate, specifies the maximum data rate available for burst transmissions, provided such bandwidth is available.
CIR - Committed Information Rate, is the minimum guarantee speed.