



In a world where there are no boundaries and where business happens 24 hours a day, communication is everything
 - *NSSL helps you stay connected.*



NSSL

The NSSL land services portfolio from brings a range of communication solutions to customers who need them independent of what the local infrastructure can support. From voice to mobile and fixed broadband solutions, the NSSL portfolio ensures that when operating in remote locations, users can stay connected to their network from anywhere in the world. Whatever and whenever your requirement, NSSL has the answer. From an ultra portable system at 2.2kg in weight offering data rates of up to 492kb/s to a high quality and high speed true broadband IP system at a fraction of the running costs of VSAT.



If you think a satellite solution can extend your broadband capabilities, talk to NSSL

Who is NSSL Ltd?

Established in 1969, NSSL Ltd provides worldwide mobile satellite solutions to customers in the Corporate, Media, Government, Maritime, Oil & Gas and Offshore sectors. As one of the largest Inmarsat satellite service providers in the world and with our own DVBS2-RCS network, we are able to offer the widest selection of

terminal equipment and airtime tariffs, backed by 24 hours a day, 365 days a year sales support. Based in the UK, NSSL has offices in the US, Singapore and Dubai, with a network of agents and engineers worldwide to provide service support to its global customer base.



THE NSSL LAND SERVICES PORTFOLIO



Services offered by NSSL include:

- Airtime Services
- Thrane & Thrane, Hughes, Thuraya and Iridium Equipment
- Project design and developing solutions tailored to our customers' requirements
- On location installation, integration and network support into the HQ
- Maintenance contracts and site surveys including in-country support and SLAs
- Electronic and ship-based maintenance
- Spares management, advance replacement / hot swap 24/7 customer service and technical helpdesk
- Global service & repair centres
- Dedicated intranet site for troubleshooting, tracking & billing services.

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NSSL – Supplier of Commercial Satcom Services to the UK MOD

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BGAN

The BGAN service from Inmarsat offers data rates of up to 492 kb/s and delivers simultaneous voice and data services through a single device.

Some of the key benefits of BGAN are:

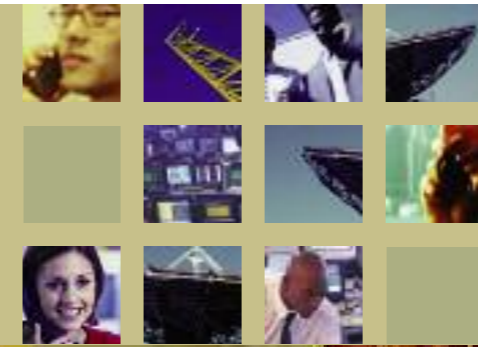
- Simultaneous voice and data
- Contended and guaranteed data rates on demand
- Quality voice
- Extremely portable
- Easy to use
- Secure
- Independent of local network

MANUFACTURER	THRANE & THRANE	WIDEYE	THRANE & THRANE	THRANE & THRANE	HUGHES	THRANE & THRANE
Class	3	3	3	2	1	1
Model	Explorer™ 100/110	Sabre™ 1	Explorer™ 300	Explorer™ 500	HNS 9201	Explorer™ 700
Size	210 x 150 mm	210 x 140 mm	217 x 168 mm	300 x 200 mm	365 x 275 mm	399 x 290 mm
Weight	1 kg	1.25 kg	1.28 kg	1.3 kg	2.2 kg	3.2 kg
Standard IP	384/240 kb/s	384/240 kb/s	384/240 kb/s	464/448 kb/s	492/492 kb/s	492/492 kb/s
Streaming IP	32/64 kb/s	32/64 kb/s	32/64 kb/s	32/64/128 kb/s	32/64/128/256 kb/s	32/64/128/256 kb/s
ISDN Data	N/A	N/A	N/A	N/A	64 kb/s ISDN	64 kb/s ISDN
Voice	RJ45/Bluetooth	RJ45/Bluetooth	RJ11/Bluetooth	RJ11/Bluetooth	Via ISDN handset	RJ11/Bluetooth
Data Interface	USB, (Explorer100) Ethernet (Explorer110)	USB, Bluetooth, Ethernet	Bluetooth, Ethernet	USB, Bluetooth, Ethernet	USB Ethernet	USB, Bluetooth, Ethernet
Environmental Tolerance	IP44	IP44	IP54	IP54	IP55	IP55



Broad-IP

NSSL provides a low cost alternative to VSAT and Inmarsat. Using the latest DVBS2-RCS technology to provide on-demand internet access, always-on connectivity and voice services, at a fraction of the running costs of traditional satellite communication.



NSSL's Ground Earth Stations

With new ground earth stations in Florida and California, NSSL is one of the few providers to offer end to end service management for our clients including continuous network monitoring, SLAs and in-country support.

NSSL has one of the most extensive and growing coverage areas in the industry and customers will be able to move between the following coverage areas for the same fixed price.

- Northern Europe
- Mediterranean Sea
- Caribbean
- North America East/West Coast
- Middle East
- Pacific Ocean
- Australasia & New Zealand

Service Guarantee

Unlike many other competitive broadband services, Broad-IP provides a guaranteed quality of service and contracted contention ratios. We provide airtime packages of up to 2Mb of bandwidth through a choice of contended or dedicated airtime options.

Broad-IP Broadband Packages

The table below shows our Broad-IP broadband contended and fixed airtime packages.

Service	Maximum Burst Rate Inbound/Outbound*	Premium Voice (Optional)
Economy	512kbs/128kbs	No Lines
Standard	1Mb/256kbs	1 Line
Premium	2Mb/512kbs	2 Lines



Broad-IP Plus Packages

Service	CIR	MBR
Economy Plus	64kbs/64kbs	512kbs/128kbs
Standard Plus	128kbs/128kbs	1Mb/256kbs
Premium Plus	256kbs/256kbs	2Mb/512kbs

* The packages not only include a Maximum Burst Rate (MRB) but also include a Committed Information Rate (CIR), which means you have a minimum dedicated allocation but with additional bursts up to the maximum burst rate.

Broad-IP Dedicated Packages

For those customers who need a guaranteed throughput at all times, NSSL offers dedicated airtime packages up to 2Mb/s for either one site or shared across a number of sites.

Premium Voice

NSSL has officially launched its low cost toll-quality voice service for its Broad-IP users. The service works over NSSL's Broad-IP service and provides a guaranteed toll quality voice service through the satellite and into the terrestrial network. This is distinguished from other competitor offerings of VOIP (Voice Over Internet Protocol) systems which tend to be erratic even over one phone call, due to the voice quality being affected by data traffic usage both from the specific users and other sites, who all contend for the same satellite and Internet capacity. 'Premium voice' is provided at a much lower cost than rival providers.



Handhelds

The new generation of handheld satellite phones are smaller and lighter than ever. Allowing you to make calls, send text messages and email from anywhere in the world with the same functionality as your GSM phone. When your business takes you outside cellphone coverage, then a handheld satellite phone can bridge the gap. NSSL provides Thuraya, Iridium and Inmarsat handheld phones.



Terminal Capability	INMARSAT	IRIDIUM	THURAYA
Coverage	Regional	Global	Regional
Services			
Voice kbit/sec	4.8	2.4	2.4
Fax kbit/sec	2.4	2.4	9.6
Data kbit/sec	2.4	2.4	9.6
Messaging	In GSM mode only	To email or other Iridium phone	Yes
Key Product Features			
Dimensions (mm)	130 x 50 x 32	158 x 62 x 59	118 x 53 x 19
Weight (g)	210	375	170
Removable Antenna	Yes	No	No
Battery Life: Talk Time	2 hrs 40 mins	2 hrs 40 mins	2 hrs 40 mins
Battery Life: Standby Time	42 hrs	24 hrs	40 hrs
RRP	\$775	\$1575	\$1275
RRP Airtime per minute from	\$0.99	\$1.50	\$0.87