

		DATE OF CERTIFICATION	TYPE OF CERTIFICATE	TERMINAL CERTIFICATE NUMBER
TERMINAL CERTIFICATION CERTIFICATE		28 th May 2012	FULL	TX-CE-00231-S-PDGM Issue 1
This Certificate permits the use of the terminal equipment detailed herein to operate within the SKYNET 5 Core System				
ORIGINATOR: Paul Escott			RELATED DOCUMENTATION: Annex A and Antenna Sidelobe patterns	
TERMINAL SERIAL NUMBER (Indicate First of Type)	DETAILS OF TERMINAL EQUIPMENT			VALID FROM
	Norsat Sigmalink with DMD-20 and variant modems			30 ^h May 2012 until 30 th May 2017
SCOPE OF TYPE APPROVAL - Full Certification for operational use over the Skynet 5 constellation within given parameters highlighted in Special Instructions below. - Any additional users wishing to use this terminal must seek clarification of certification prior to commencement of testing or operations.				
EVIDENCE OF CONFORMANCE: TX-MA-00136-S-PDGM Annex A and sidelobe pattern information		REVIEWED BY NAME: Paul Escott DATE: 30 th May 2012	<div style="border: 1px solid black; padding: 5px;"> Signed by: Paul Escott Signing time: Wednesday, May 30 2012, 10:30:8 GMT </div>	
COMPLIANCE WITH TERMINAL CERTIFICATION/ REQUIREMENTS & CONSTRAINTS: TX-MA-00136-S-PDGM Issue 3 – verified by compliance report		REVIEWED BY NAME: Paul Escott DATE: 30 th May 2012	<div style="border: 1px solid black; padding: 5px;"> Signed by: Paul Escott Signing time: Wednesday, May 30 2012, 10:30:41 GMT </div>	
SPECIAL INSTRUCTIONS (including any service limitations): - The terminal has been approved under TX-MA-00136-S-PDGM Annex A and is currently in operational service. Full certification allows continued operational use of this terminal through access to the Skynet 5 constellation within the highlighted CAVEATS for Paradigm approved operational purposes, at agreed times and dates, on agreed transponders. - Paradigm reserves the right to withdraw this approval at any point.				
<u>Operational Caveats</u> <ul style="list-style-type: none"> • New side-lobe requirements under TX-MA-00136-S-PDGM. • Operation is limited to transmission in RHCP only. • Operation above 20 degrees elevation. Operation below this threshold will require special concession via PCCC and does not exclude operation during a test phase. • No spectral inversion when operating via UK anchor. • Single Carrier Operation Only: Multi carrier operation must respect mandatory EIRP noise spectral density requirements of TX-MA-00136-S-PDGM and would require re-certification. • Full certification applies to operation within any beam within the constellation only. • The EIRP spectral density shall be limited (-26.0 dBW/Hz) towards other adjacent satellite assuming the off-axis gain template of TX-MA-00136-S-PDGM 				
The terminal must be operated outside of any zone beam of any satellite located within 6 degrees of the Skynet satellite under use. Operation outside of this envelope may be permitted at Paradigm's discretion.				
The terminal must be operated within any local frequency coordination limits agreed with operators of adjacent satellite systems				

ISSUED BY	NAME: Paul Escott DISCIPLINE: Terminal Certification Authority DATE: 30 th May 2012	Signed by: Paul Escott Signing time: Wednesday, May 30 2012, 10:31:3 GMT
APPROVED BY	NAME: Dave Gallimore DISCIPLINE: Terminal Approval Authority DATE:	Signed by: David Gallimore Signing time: Friday, June 15 2012, 7:50:22 GMT
TX-CE-00226-S-PDGM Issue 1		DATE: 30 th May 2012
SECURITY CLASSIFICATION: UNCLASSIFIED		© PARADIGM SERVICES LTD