



**TEST REPORT**  
**IEC 60950-1**  
**Information technology equipment – Safety –**  
**Part 1: General requirements**

**Report Number** ..... : 071-75942068-000

**Date of issue** ..... : 2018-08-15

**Total number of pages**..... : 30

**Applicant's name** ..... : Lars Thrane A/S

**Address** ..... : Skovlytoften 33, Holte, DK-2840, DENMARK

**Test specification:**

**Standard** ..... : IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

**Test procedure** ..... : Private

**Non-standard test method** ..... : N/A

**Test Report Form No.** ..... : IEC60950\_1F

**Test Report Form(s) Originator** .... : SGS Fimko Ltd

**Master TRF**..... : Dated 2014-02

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<b>Test item description</b> .....	Satellite telephone system	
<b>Trade Mark</b> .....	Lars Thrane Communication Systems	
<b>Manufacturer</b> .....	Lars Thrane A/S	
<b>Model/Type reference</b> .....	LT-3100	
<b>Ratings</b> .....	10-32Vdc, 3.7-1.2A	
<b>Testing procedure and testing location:</b>		
<input type="checkbox"/> <b>Testing Laboratory:</b>	TÜV SÜD Product Service	
<b>Testing location/ address</b> .....	Snitterfield Road, Bearley, Stratford-upon-Avon, CV37 0EX, UK	
<input type="checkbox"/> <b>Associated Testing Laboratory:</b>		
<b>Testing location/ address</b> .....		
<b>Tested by (name + signature)</b> .....	Alastair McLaughlin Product Safety Specialist	
<b>Approved by (name + signature)</b> .....	Matt Emery Reviewing engineer	
<input type="checkbox"/> <b>Testing procedure: TMP/CTF Stage 1:</b>		
<b>Testing location/ address</b> .....		
<b>Tested by (name + signature)</b> .....		
<b>Approved by (name + signature)</b> .....		
<input type="checkbox"/> <b>Testing procedure: WMT/CTF Stage 2:</b>		
<b>Testing location/ address</b> .....		
<b>Tested by (name + signature)</b> .....		
<b>Witnessed by (name + signature)</b> .....		
<b>Approved by (name + signature)</b> .....		
<input type="checkbox"/> <b>Testing procedure: SMT/CTF Stage 3 or 4:</b>		
<b>Testing location/ address</b> .....		
<b>Tested by (name + signature)</b> .....		
<b>Witnessed by (name + signature)</b> .....		
<b>Approved by (name + signature)</b> .....		
<b>Supervised by (name + signature)</b> .....		

<b>List of Attachments (including a total number of pages in each attachment):</b>		
Attachment 1	European Group Differences and National Differences	20 pages
Attachment 2	IEC 60950-22: Equipment to be installed outdoors	18 pages
Attachment 3	Photographic Record	7 pages
<b>Summary of testing:</b>		
The sample was tested for compliance with the standards listed on page 1 and page 3		
<b>Tests performed (name of test and test clause):</b>	<b>Testing location:</b>	
Input current & power, 1.6.2 Durability of markings, 1.7.11 Energy hazards, 2.1.1.5 Energy hazards – DC mains, 2.1.1.8 Disconnection from the mains supply, 3.4.1 Impact test, 4.2.5 Wall mounting (applied for mounting at height), 4.2.10 Thermal requirements, 4.5 Abnormal operation and fault conditions, 5.3 Cable distribution systems, 7  EN 60945:2002 – the following clause only: Excessive conditions, 7.2	TÜV SÜD Product Service, Snitterfield Road, Bearley, Stratford-upon-Avon, CV37 0EX, UK	
<b>Summary of compliance with National Differences:</b>		
<b>List of countries addressed:</b> See attachment 1		
<input checked="" type="checkbox"/> <b>The product fulfils the requirements of:</b>		
IEC 60950-1:2005 (Second Edition) + A1:2009 + A2:2013		
EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013		
EN 60950-22:2006 +A11:2008 (see attachment 2)		
EN 60945:2002 clause 7.2 only (see clause 5.3 of this report)		



**TEST REPORT**  
**IEC 60950-22**  
**Information technology equipment**  
**Safety – Part 22: Equipment to be installed outdoors**

**Report Reference No** ..... : 071-75942068-010

Date of issue..... : 2018-08-15

Total number of pages..... 18

**Testing Laboratory** ..... : TÜV SÜD Product Service

Address..... : Snitterfield Road, Bearley, Stratford-upon-Avon,  
CV37 0EX, UK

**Applicant's name** ..... : Lars Thrane A/S

Address ..... : Skovlytoften 33, Holte, DK-2840, DENMARK

**Test specification:**

Standard ..... : IEC 60950-22 : 2005 (1<sup>st</sup> Edition)

Test procedure ..... : Private

Non-standard test method..... : N/A

**Test Report Form No**..... : IEC60950\_22A

Test Report Form(s) Originator ..... : The Standards Institution of Israel Ltd.

Master TRF..... : Dated 2007-03

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**Test item description** ..... : Satellite telephone system

Trade Mark ..... : Lars Thrane Communication Systems

Manufacturer ..... : Lars Thrane A/S

Model/Type reference..... : LT-3100

Ratings..... : 10-32Vdc, 22W

<b>Testing procedure and testing location:</b>	
<input checked="" type="checkbox"/>	<p><b>Testing Laboratory:</b></p> <p>Testing location/ address ..... : TÜV SÜD Product Service                  Snitterfield Road, Bearley, Stratford-upon-Avon,                  CV37 0EX, UK</p> <p><input type="checkbox"/> <b>Associated Test Laboratory:</b></p> <p>Testing location/ address ..... :</p> <p>Tested by (name + signature) ..... : Alastair McLaughlin</p> <p>Approved by (+ signature) ..... : Matt Emery</p>
<input type="checkbox"/>	<p>Testing procedure: TMP</p> <p>Tested by (name + signature) ..... :</p> <p>Approved by (+ signature) ..... :</p> <p>Testing location/ address ..... :</p>
<input type="checkbox"/>	<p>Testing procedure: WMT</p> <p>Tested by (name + signature) ..... :</p> <p>Witnessed by (+ signature) ..... :</p> <p>Approved by (+ signature) ..... :</p> <p>Testing location/ address ..... :</p>
<input type="checkbox"/>	<p>Testing procedure: SMT</p> <p>Tested by (name + signature) ..... :</p> <p>Approved by (+ signature) ..... :</p> <p>Supervised by (+ signature) ..... :</p> <p>Testing location/ address ..... :</p>
<input type="checkbox"/>	<p>Testing procedure: RMT</p> <p>Tested by (name + signature) ..... :</p> <p>Approved by (+ signature) ..... :</p> <p>Supervised by (+ signature) ..... :</p> <p>Testing location/ address ..... :</p>




**Summary of testing:**

The sample was tested for compliance with the standards listed on page 1 and page 3

**Tests performed (name of test and test clause):**

None required – examination of data provided

**Testing location:**

TÜV SÜD Product Service,  
Snitterfield Road, Bearley, Stratford-upon-Avon,  
CV37 0EX, UK

**Summary of compliance with National Differences:**

See main report TÜV SÜD Product Service 071-75942068-000

**Copy of marking plate**

See main report TÜV SÜD Product Service 071-75942068-000