



<p><b>Industry &amp; Facilities</b></p> <div style="text-align: center;">  <p><b>BUREAU VERITAS</b></p> </div> <p style="text-align: center; font-size: 1.2em;"><b>INSPECTION REPORT N°2 513661/2/11</b></p>	<p>Page: 1/4</p> <p><input type="checkbox"/> In progress <input checked="" type="checkbox"/> Final</p>
<p><b>BV Job n°: 2513661/2/11</b></p>	

<b>PROJECT : Early streamer emission lightning rod (ESE)</b>	<b>Référence :</b>
<b>BV client : INDELEC</b>	<b>P/o n°: 11007609</b> <i>(client to BV)</i>
<b>Manufacturer : INDELEC</b> <b>61, Chemin Postes</b> <b>59500 DOUAI</b>	<b>P/o n°: not applicable</b> <i>(client to manufacturer)</i>
<b>Inspection request by : INDELEC</b>	

SUPPLY/SUBJECT TO INSPECTION	ITEM N°	Quantité
<p><i>Documents review for tests of early streamer emission lightning rod ::</i></p> <ul style="list-style-type: none"> <li>- PREVECTRON S4.50 (50µs) N°S450M120271</li> </ul>	Without	1

<b>REFERENCE DOCUMENTS</b> : See data sheet for additional documents : <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Title	Reference n°	Rev.	Approved by :	Date
NFC 17102 standard	NFC 17102		UTE	09/2011
General tests report	IND-EMA-11062012-B		S. FAUVEAUX	11/06/2012
Mechanical tests report	IND-EM-11062012-B		S.FAUVEAUX	11/06/2012
Corrosion tests report	114126-626991		LCIE	16/08/2012
Withstand Current tests report	G100K-12-062-R		CITEL	8/08/2012

<p><b>INSPECTIONS :</b></p> <p><b><u>Date and plant location :</u></b> BUREAU VERITAS 1, rue de Micy 45380 LA CHAPELLE SAINT MESMIN September 12th 2012</p> <p><b><u>State of inspection :</u></b></p> <p><input type="checkbox"/> Before manufacturing <input type="checkbox"/> During manufacturing <input checked="" type="checkbox"/> Final <input type="checkbox"/> Packaging</p> <p><b><u>Inspection type:</u></b></p> <p><input type="checkbox"/> Prior meeting <input type="checkbox"/> Tests presence <input type="checkbox"/> Final inspection <input checked="" type="checkbox"/> Documents review <input type="checkbox"/> Expediting <input type="checkbox"/> Packaging <i>(For details see the follow pages)</i></p> <p><b><u>Stamping :</u></b></p> <p><input checked="" type="checkbox"/> No    <input type="checkbox"/>     <input type="checkbox"/> </p>	<p><b><u>Conclusion of inspection :</u></b> <input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Unsatisfactory</p> <p><b><u>Non compliance report (NCR):</u></b></p> <p><input type="checkbox"/> NCR issued during the period :</p> <p>Not applicable</p> <p><input type="checkbox"/> List of pending NCR</p> <p>Not applicable</p> <p><b><u>Main conclusions :</u></b> (details : see the follow pages)</p> <p><i>Satisfactory inspection</i></p> <p><b><u>Next scheduled visit :</u></b></p> <p>Not applicable</p>
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In progress

Final

## INSPECTION REPORT N°2 513661/2/11

**BV job n°: 2513661/2/11**

### Description of inspections carried :

➤ **Introduction :**

**Scope of the BV engagement :**

- Documents review of prior tests to efficiency tests

➤ **Useful documents and approval status**

- General tests report
- Mechanical tests report
- Corrosion tests report
- Withstand current tests report

➤ **State of progress of manufacturing.**

- The early streamer emission lightning rod was ready to undergo various tests defined in appendix C of the standard NFC 17102 September 2011

**INSPECTION REPORT N°2 513661/2/11****BV Job n°: 2513661/2/11****➤ Details of inspections in relation to the scope of engagement.**

- General tests :
  - Verification of the adequacy of tests with the requirements of sections C.3.1.1 and C3.1.2 of the standard NFC 17102 Edition 09/2011
- Mechanical tests :
  - Verification of the adequacy of tests with the requirements of sections C.3.2 of the standard NFC 17102 Edition 09/2011
- Corrosion tests :
  - Verification of the adequacy of tests with the requirements of sections C.3.3.1 and C.3.3.2 of the standard NFC 17102 Edition 09/2011
- Withstand current tests report :
  - Verification of the adequacy of tests with the requirements of sections C.3.4 of the standard NFC 17102 Edition 09/2011

**➤ Conclusion of inspections**

- The tests applied to ESE S4.50 comply with appendix C of the standard NFC 17102 Edition 09/2011

**➤ Outstanding issue**

Nil



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# INSPECTION REPORT N°25 13661/2/11

**BV Job n°: 2513661/2/11**

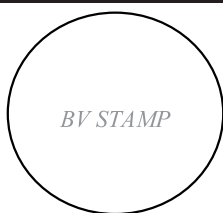
**APPENDICES**  Yes (Total number of pages including appendices) 63  No

**Inspected by :**

Name: C. TARDIF.

Signature :

**Christian TARDIF**



**Checked by :**

Name : T. BIONDOLILLO

Signature :



Date of issue : 12/09/2012

**Inspection center :** BV VALENCIENNES

Distribution :  CLIENT  Manufacturer