

CONTENTS OF ATEX VERIFICATION DOSSIER

tem	Required Documentation	Notes
Area Classification	<p>Hazardous Area Classification documents (HAC)</p> <p>This should include temperature class and ignition group for each vapour and flammability characteristics for any dusts or powders</p>	<p>If the HAC documents are filed elsewhere, e.g. in the Explosion Protection Document (EPD), it will be sufficient to record the document/drawing ref numbers and revision numbers</p> <p>The zoning relevant to the location of each piece of equipment will be recorded on the ATEX Register</p>
Equipment	Listing of all electrical equipment in ATEX areas	Details equipment in ATEX areas should be recorded on an ATEX Registers
Equipment	Equipment details including manufacturer's instructions	These may already be handed over in the general handover file and if so, this may be referenced
Equipment	Equipment ATEX Certificates	Copies of ATEX certificates for all equipment
Equipment	Compliance with 'Special Conditions' (suffix X)	This can be recorded on the ATEX Registers
Equipment	<p>Justification for use for non-ATEX certified equipment</p> <p>Verification of repaired or second-hand equipment</p>	See I.S. EN 60079-14 for Guidance
Equipment	Descriptive system document for Intrinsically Safe Systems	Calculations to verify Intrinsically safe circuits
Installation	Specification for installation materials, cables glands etc	Can be detailed on the cable schedule
Installation	Installation materials ATEX Certificates	Copies of ATEX certificates for all installation n materials, glands etc
Installation	Record of the Initial Inspection	<p>The initial inspection should be a detailed inspection</p> <p>The inspection points for each type of protection is provided in Annexe C of I.S. EN 60079-14</p>

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		<p>It may not be practicable to retain a copy of the Inspection Schedule for each item. However, the following details of the inspection should be recorded for each item on the ATEX Registers</p> <p>Inspection Type, Date, Responsible Person, Pass or Fail, Action Items, Next Inspection Date</p>
Installation	Lightning Protection & Surge Protection	The Lightning Protection & Surge Protection system is designed and installed in accordance with I.S. EN 62305
Test Records	Electrical Test Records	The general test records, required by I.S. 10101, may already be handed over in the general handover file and if so, this may be referenced
Test Records	Additional test records for Earthing and Equipotential and Static bonding systems	Refer to I.S. EN60079 series and I.S.10101
Test Records	Variable speed drive systems	<p>Confirmation of compliance with the specific requirements for VSD and soft start systems specified in I.S. EN 60079-14, in particular:</p> <p>VSDs not allowed on Exe motors unless entire system is certified</p> <p>Thermistors connected to certified ATEX thermistor relay / safety rated module. The action of the protective device shall cause the motor to be electrically disconnected e.g. via Safe Torque Off function</p> <p>Test results for thermistor protection system</p>
Test Records	ATEX related Functional Safety documentation	Verification documentation and Test records for functional safety / interlock systems required for:

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		<p>Safe functioning of mechanical equipment</p> <p>Compliance with HAC requirements, e.g. overspill protection on tanks</p> <p>Safe functioning off all devices and circuitry in the safety chain</p> <p>Refer to I.S. EN 61511</p>