TEST RECORD SHEET FOR POTENTIALLY EXPLOSIVE ATMOSPHERES (LV Systems 50V – 1000Vac)

Accompanying Ex Sub-System Completion Certificate No. EX

Customer Name: _____

Address of Installation: _____

Identification of Ex Sub-system: _____

Date of Issue: _____

Number of continuation sheets Attached to this Test Record

Supply Details: _____

Main Protective Device: _____

External System Impedance (Zs) (Ω)			
Ph 1	Ph 2	Ph 3	Max Z

⚠ Caution: Do not conduct fault loop impedance Test at Mains Voltage if the fault current could be impressed through to any part of the PE in an explosive atmosphere. In such circumstances the "Alternative Test Method" shall be used (for cables ≤ 35mm²)

Electrical Installation Earth Electrodes/Pits/Mats			
Electrode Identification			
Resistance to the general mass of Earth (Ω)			

Electrical Contractor: _____

Registration No. : _____

Affiliation:

1 IDENTIFICATION						2	3 PROTECTION					4 CONDUCTIVITY				5	6	7 ⚠ Fault Loop Impedance		
Circuit No. Cable No. or Equipment	**Circuit Type** e.g. Ltg Power I.S.	**Zone** 0, 1, 2 OR 20, 21, 22	NO. Of Outlets	Circuit rating kW	**Motor** DOL Star – Delta, VSD	**Circuit Volts** U, Uo, Ui Volts	**Core Size** mm²	**MCB / Fuse** Type Rating Setting	**Ia / FLC** Amps	Motor Overload Device Setting Amps	**RCD** Record √ when pass Record Type Rating Setting	**Protective Conductors (PE)** Earth Continuity (Ω)	**Simultaneously Accessible Parts** R Ω	**Zones** 2 or 22: R x Ia	**Zones** 0, or 1 Or 20 or 21: 12Z / U	**Insulation Resistance** Test Each Ph – E Ph – N Ph – Ph Record lowest value Obtained (MΩ)	**Polarity** Test for correct Ph – N or Phase sequence	Tests at mains voltage each ph-E record highest value (Ω)	Alternative Test Method: Line + PE (Ω)	Alternative Test Method: Zs = Line + PE + Max Z (Ω)

Name:_____ Signed:_____

Qualification:_____

For Installation Contractor:_____

Constructor Tester ☐

Comments:

Note: This Test Record is issued and signed by the person responsible for the construction and/or testing of the installation or a person duly authorised to act on his behalf. The Electro-Technical Council of Ireland is not responsible for the electrical installation or for the accuracy of the information given on this Test Record. This Test Record and the associated Sub-system Completion Certificate must be submitted to the Project Supervisor (Construction) and included in the project safety manual. Electrical installations should be inspected and tested periodically to comply with relevant statutes and standards.