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| **CONFIRMATION OF VERIFICATION EVIDENCE REPORT**[All generators greater than 10kW, shall be complete and submit this report before energization] |
| **Section 1** | **BASIC INFORMATION** |
| Name of Customer |  |
| Name of Facility |  |
| Address |  |
| Generator Capacity |  |
| Station & Feeder |  |
| Type of Generation |  |
| **Section 2** | **SIGNATURES / CERTIFICATES** |
| **TO BE SIGNED UPON COMPLETION OF ALL PARTS OF THE COVER**I/we acknowledge the completion of the COVER as noted and will undertake to rectify the deficiencies identified in the “NOTES” section. |
|  |  | I certify that the attached results/reports were undertaken/reviewed by the undersigned and are in conformance with all requirements, except as noted herein.  |
|  |  |
| Signature of Customer Representative |  |
|  |  |
| Print Name:  |  |  |  |
|  |  |  |
| Date: |  |  | Signature of Engineer Certifying report |
|  |  |  |
| Title/Affiliation: |  |  | Print Name: | P.Eng |
|  |  |  |
| Email: |  |  | Date: |  |
|  |  |  |
|  |  | Title/Affiliation: |  |
|  |  |  |
|  |  | Email: |  |
|  |  |
| **Section 3** | **DISTRIBUTION** |
| Distribution List (when all parts are completed): | **ENWIN Coordinator**:  |
|  |  | **Print Name:**  |
|  | Transmitter (Customer Business Relations), | **Title:**  |
|  | ENWIN System Planning/Engineering | **Date:** |
|  | Customer, | **Tel:**  |
|  |  | **Email:**  |
| **Section 4(a)** | **CONFIRMATION OF VERIFICATION – PROTECTION & CONTROL** |
| Complete for Load Displacement / Export generators connected at 27.6kVConfirm the following Protection & Control requirements are in place and operating properly  | Protection Group | Legend | Results | Note # | Initials | Dateyyyy/mm/dd |
| 1. LV Bus Main and Backup Unit Protection Scheme
 | C |  |  |  |  |  |
| 1. Transformer Main and Backup Protection Scheme
 | C |  |  |  |  |  |
| 1. HV Breaker Failure Protection
 | C |  |  |  |  |  |
| 1. LV Breaker Failure Protection
 | C |  |  |  |  |  |
| 1. Under and Over Frequency
 | C |  |  |  |  |  |
| 1. Transfer Trip / Remote Trip
 | C |  |  |  |  |  |
| 1. DGEO Test (Generator End Open)
 | C |  |  |  |  |  |
| 1. Passive Anti-Islanding Protection

(check that the generator disconnects upon loss of utility supply by 0.3s) | C |  |  |  |  |  |
| 1. Reverse Power (load displacement)
 | C |  |  |  |  |  |
| 1. Confirm the installation complies with submitted Single Line Diagram
 | C |  |  |  |  |  |
| 1. Other (Specify)
 |  |  |  |  |  |  |

Protection Group to be tested: e.g. A, B, or A&B, D = to be Done

Legend: C = Confirm, W = Witness

Results: P = Pass, F = Fail

All Parts: N/A = Not Applicable

|  |  |
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| **Section 4(b)** | **CONFIRMATION OF VERIFICATION – PROTECTION & CONTROL** |
| Complete for Load Displacement / Export generators connected at 347/600V or 120/208VConfirm the following Protection & Control requirements are in place and operating properly  | Protection Group | Legend | Results | Note # | Initials | Dateyyyy/mm/dd |
| 1. Operation of Isolation Switch
 |  |  |  |  |  |  |
| 1. Synchronous Breaker Failure Protection
 |  |  |  |  |  |  |
| 1. Transfer Trip / DGEO Test
 |  |  |  |  |  |  |
| 1. Passive Anti-Islanding Protection

(check that the generator disconnects upon loss of utility supply by 0.3s) |  |  |  |  |  |  |
| 1. Under and Over Frequency
 |  |  |  |  |  |  |
| 1. Under and Over Voltage
 |  |  |  |  |  |  |
| 1. Reverse Power (load displacement)
 |  |  |  |  |  |  |
| 1. Confirm the installation complies with submitted Single Line Diagram
 |  |  |  |  |  |  |
| 1. Other (Specify)
 |  |  |  |  |  |  |

Protection Group to be tested: e.g. A, B, or A&B, D = to be Done

Legend: C = Confirm, W = Witness

Results: P = Pass, F = Fail

All Parts: N/A = Not Applicable

|  |  |
| --- | --- |
| **Section 4(b1)** | **CONFIRMATION OF VERIFICATION – PROTECTION & CONTROL** |
| Complete for Load Displacement / Export generators connected at 120/240VConfirm the following Protection & Control requirements are in place and operating properly  | Protection Group | Legend | Results | Note # | Initials | Dateyyyy/mm/dd |
| 1. Operation of Isolation Switch
 |  |  |  |  |  |  |
| 1. Synchronous Breaker Failure Protection
 |  |  |  |  |  |  |
| 1. Transfer Trip / DGEO Test
 |  |  |  |  |  |  |
| 1. Passive Anti-Islanding Protection

(check that the generator disconnects upon loss of utility supply by 0.3s) |  |  |  |  |  |  |
| 1. Under and Over Frequency
 |  |  |  |  |  |  |
| 1. Under and Over Voltage
 |  |  |  |  |  |  |
| 1. Reverse Power (load displacement)
 |  |  |  |  |  |  |
| 1. Confirm the installation complies with submitted Single Line Diagram
 |  |  |  |  |  |  |
| 1. Generation limit back to ENWIN grid ( )
 |  |  |  |  |  |  |
| 1. Other (Specify)
 |  |  |  |  |  |  |

Protection Group to be tested: e.g. A, B, or A&B, D = to be Done

Legend: C = Confirm, W = Witness

Results: P = Pass, F = Fail

All Parts: N/A = Not Applicable

|  |  |
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| **Section 4(c)** | **CONFIRMATION OF VERIFICATION – PROTECTION & CONTROL** |
| Complete for Generators connected momentarily to transfer loadConfirm the following Protection & Control requirements are in place and operating properly  | Protection Group | Legend | Results | Note # | Initials | Dateyyyy/mm/dd |
| 1. Operation of Isolation Switch

(Confirm the complete transfer is less than 100ms) |  |  |  |  |  |  |
| 1. Confirm the isolation complies with submitted Single Line Diagram
 |  |  |  |  |  |  |
| 1. Other (Specify)
 |  |  |  |  |  |  |

Protection Group to be tested: e.g. A, B, or A&B, D = to be Done

Legend: C = Confirm, W = Witness

Results: P = Pass, F = Fail

All Parts: N/A = Not Applicable

|  |  |
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| **Section 4(d)** | **CONFIRMATION OF VERIFICATION – PROTECTION & CONTROL** |
| Complete for Generators not connected momentarily to transfer loadConfirm the following Protection & Control requirements are in place and operating properly  | Protection Group | Legend | Results | Note # | Initials | Dateyyyy/mm/dd |
| 1. Operation of Transfer Switch

(Break before Make Functionality) |  |  |  |  |  |  |
| 1. Confirm the isolation complies with submitted Single Line Diagram
 |  |  |  |  |  |  |
| 1. Other (Specify)
 |  |  |  |  |  |  |

Protection Group to be tested: e.g. A, B, or A&B, D = to be Done

Legend: C = Confirm, W = Witness

Results: P = Pass, F = Fail

All Parts: N/A = Not Applicable

|  |  |
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| **Section 5** | **CUSTOMER OWNED AND OPERATE DG**[not required for generators paralleling utility for less than 100msec] |
| Confirm the following SCADA telemetry quantities indicate correctly | Test Needed | Legend | Results | Note # | Initials | Dateyyyy/mm/dd |
| 1. MW Flows and Directions
 | C |  |  |  |  |  |
| 1. MVAR Flow and Directions
 | C |  |  |  |  |  |
| 1. Phase to Phase or Phase to Neutral Voltages
 | C |  |  |  |  |  |
| 1. Three Phase Currents
 | C |  |  |  |  |  |
| 1. LV Interrupter Open/Close Status

\*Hydro One Network Operating Division will specific which status to use | C |  |  |  |  |  |
| 1. Protection Alarms (TT receive from Hydro One and DGEO send)
 | C |  |  |  |  |  |
| 1. Wireless Link end to end tested
 | C |  |  |  |  |  |
| 1. Synchronizing Breakers Open/Close Status
 | C |  |  |  |  |  |
| 1. HV/LV Line Disconnect Switches Open/Close Status
 | C |  |  |  |  |  |
| 1. Other (Specify)
 |  |  |  |  |  |  |

Test Needed: D = Done

Legend: C = Confirm, W = Witness

Results: P = Pass, F = Fail

All Parts: N/A = Not Applicable

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| **Section 6** | **NOTES** |
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**Instructions for Completing the COVER form:**

Step 1: Discuss with the ENWIN Coordinator and decide what protection test / controls are required.

Step 2: Complete Intended Tests

Step 3: Send original signed COVER Report to:

Attn: Technical Services

ENWINUtilities Ltd.

P. O. Box 1652 Stn. “A”

4545, Rhodes Drive,

Windsor, ON,

N9A 5T7