



Sample SLD Notes Table

Item Number	Information to Include
1	The title block should include: The legal name of the facility owner Facility address/location Project purpose HONI assigned project ID Revision history
2	 State HONI's distribution and transmission facility (station) name(s) State the name of HONI station feeder to which the generator is connected State the nominal distribution supply voltage (eg. 44kV) State the information for the upstream and downstream switches closest to the PCC (nomenclature, type, etc)
3	• HONI to assign nomenclature for this switch. Note: initial submission can have the consultant/customer assigned nomenclature if a HONI designation is not yet available. Later, the customer is assigned a HONI designation, which should be added to the SLD and resubmitted to HONI before the SLD is considered finalized. The consultant/customer then has the option to replace the initial designation with HONI designation or keep both. Ensure the HONI designation is clearly marked to differentiate it from the consultant/customer designation (bolded, in brackets, etc). Item 3 has an example showing only HONI designation, while item 17 shows an alternate method that shows both designations. HONI only refers to the HONI designation when dealing with the customer. Example, when witnessing the switch used for work protection as per Section 2.1.7 of the TIR. When submitting the new SLD with the changes, a higher revision number of the SLD should be used to track the changes. See SLD example.
4	 The Point of Common Coupling (PCC) is the point of demarcation between HONI and the DER facility. It is the point where the DER Facility is to connect to HONI's Distribution System. PCC demarcation point HONI designated facility operating designation (NCXXXX) If the nomenclature is not included, the SLD is considered incomplete.
5	 Fault indicators with directional functionality are required for each phase between the PCC and the first pole on the customer owned new line and should be visible from the PCC location Only required for new customer owned lines The proponent must submit s DFI specifications for review

6	 For new customer owned line, provide the length(s), ownership, and size(s) of line(s) from PCC to the meter. This data is used for SSLA determination. The metering point is at the location of the CT's and not the physical meter. To comply with TIR Section 2.1.6
7	Must be compliant with most current settlement and revenue metering SLD requirements, revision 1.5.1
8	 HONI designation Voltage rating Current rating Indicate which device is complaint with TIR, Section 2.1.7 Alternatively, switch information can be shown on SLD as per item number 13 Note 1: the motorized switch requirement in TIR Section 2.1.7 (iii) is only required if the device is used for breaker failure (BF) purposes. Note that TIR Section 2.3.4 (ix) exempts DER ≤500kW from BF requirements. Note 2: initial submission can have the proponent assigned nomenclature if a HONI designation is not yet available. Later, the proponent is assigned a HONI designation, which should be added to the SLD and resubmitted to HONI before the SLD is considered finalized. The proponent then has the option to replace the initial designation with HONI designation or keep both. Ensure the HONI designation is clearly marked
	to differentiate it from the proponent designation (bolded, in brackets, etc). HONI only refers to the HONI designation when dealing with the proponent. Example, when witnessing the switch used for work protection as per Section 2.1.7 of the TIR, HONI staff refer to the switch using HONI nomenclature. When submitting the new SLD with the changes, the SLD revision number must be incremented to track the changes. See SLD example.
9	 Voltages must be detected at PCC as per TIR, Section 2.3.11 (iv)
10	 HONI designation Manufacturer make/model Current rating Single/3 phase
11	 State the number of CTs being used State the CT ratios including both ratios if they are dual ratio State the in-use CT ratio if dual ratio State the ANSI/CSA CT accuracy class information
12	 Clearly identify existing and new facility if applicable If a new equipment (ex. transformer) is being replaced in an existing facility, it should be indicated Ensure all existing generators or backup generators are shown

13 HONI designation must be shown Voltage rating Current rating Type of switch Single/3 phase Physically accessible to HONI Alternatively, switch information can be shown on SLD as per item number 8 14 Fuse information to include: Fuse rating Manufacturer make/model Fuse type on the SLD Example: S&C SMD-1A 50E TCC153 15 Transformer Information to include: Transformer winding configuration Transformer HONI designation Manufacturer make/model of the transformer Transformer rating Transformer ratio Transformer impedance Transformer ownership Please draw the ANSI symbol for a transformer (do not use a box with label) Note: on a HONI 4-wire distribution system, temporary over-voltage (TOV) that may be caused by the DER facility connection shall not exceed 125% of nominal system voltage (line to neutral) anywhere on the distribution system and under no circumstance shall exceed 130%. HONI may advice an action needed to reduce TOV to limits by requiring a grounding transformer on the HV side. See TIR Section 2.1.10 for more details. 16 Please detail where the existing FIT/micro-FIT generator/meter are connected. Include HONI ID Show existing load Capacity Type For new generators: Show the generator(s) connection(s) to the power transformer(s) • Show the operating nomenclature of the generator(s) (e.g. G1, G2, etc.) • State the nameplate capacity of the generator or individual generators, where there is more than one, in kVA / MVA. or kW / MW For solar, state the size(s) and number of inverter(s) State the operating power factor (PF) State connection type (Wye, Delta, etc.) and indicate grounding State whether the generator is induction or synchronous type.

17	 HONI designation Manufacturer make/model Current rating Single/3 phase
	Note: initial submission can have the consultant/customer assigned nomenclature if a HONI designation is not yet available. Later, the customer is assigned a HONI designation, which should be added to the SLD and resubmitted to HONI before the SLD is considered finalized. The consultant/customer then has the option to replace the initial designation with HONI designation or keep both. Ensure the HONI designation is clearly marked to differentiate it from the consultant/customer designation (bolded, in brackets, etc). Item 3 has an example showing only HONI designation, while item 17 shows an alternate method that shows both designations. HONI only refers to the HONI designation when dealing with the customer. Example, when witnessing the switch used for work protection as per Section 2.1.7 of the TIR. When submitting the new SLD with the changes, a higher revision number of the SLD should be used to track the changes. See SLD example.
18	 The Point of DER Connection (POC) is the point where DER unit(s)'s interconnection system connects the DER unit(s) to the DER facility. Depending on the facility, it can be the same as the PCC
19	 Include HONI Project ID # Inverter manufacturer make/model MW rating IEEE/ANSI protection elements need to be noted for the customer's inverters Include CSA Certification
20	 Manufacture make/model MWh rating Include information for gross load billing where required
21	Teleprotection equipment make/modelFlow of information/signals
22	 Relay manufacturer make/model ANSI Device numbers used Flow of information signals Note: as per TIR Section 2.3.6 (Table 10, footnote 15): Three-phase DER facilities up to 500kW comprised of a single three-phase inverter unit that is CSA certified and bears certification mark recognized by OESC shall be deemed complaint to Table 10. DER facilities that consist of multiple
	three-phase inverters or multiple single-phase inverters shall comply with Section 2.3.6 of TIR.
23	Flow of signals between devices

Other general information required:

- SLD must be stamped and signed by a Registered Professional Engineer in the Province of Ontario
- All information on the SLD must be legible, and of a reasonably sized font for ease of reading
- The Connection Impact Assessment provides details regarding the type and configuration of isolation devices required.
- The DER facility must comply with all applicable interconnection requirements specified in the "HONI Distributed Generation Technical Interconnection Requirements Interconnections at Voltages 50kV and below" (TIR).