HUAWEI TECHNOLOGIES (AUSTRALIA) PTY LTD
Level 5, Tower A, 799 Pacific Highway, Chatswood, NSW 2067
Web: https://solar.huawei.com/au

Huawei Statement and Solution

■ QLD Emergency Backstop Mechanism

Emergency Backstop Mechanism:

From 6 February 2023, new and replacement rooftop solar and battery storage systems of 10 kilovolt amperes (kVA) and over will be fitted with a 'Generation Signaling Device' (GSD).
The communication to the GSD is via Ergon Energy and Energex's Audio Frequency Load Control (AFLC) system. When GSD receives signal, the inverter will execute DRM0 command and cease operating.

Following please refer to the QLD government's or local network provider's website for details and further information.
Emergency backstop mechanism | Department of Energy and Public Works (epw.qld.gov.au)
Emergency backstop mechanism - Energex
Emergency backstop mechanism - Ergon Energy

Customers can find GSD and manufacturers details via the following link, checking the availability and product information. QLD energy regularly update the list of meter suppliers
TMAC Generation Signalling Device (GSD) - AFLC - TMAC (tmacgroup.com.au)

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Huawei Solutions

Huawei inverter models complies AS4777.2 and provides the solutions to the requirement.

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- Single-phase inverters (L0 and L1) are compatible with this Generation Signaling Device directly without the additional hardware. Each inverter needs one GSD under multiple inverters scenario of 10kVA system capacity.
- Three-phase Inverters (M1, M2 and M3) need one GSD connected via SmartLogger3000A. One GSD is needed if multiple inverters are connected to one SmartLogger in daisy chain.

Inverter Models	Solution
SUN600-5/6KTL-L0	Compatible with GSD directly, enable via FusionSolar App - refer to p65-66 of L0 user manual
SUN2000-5/6KTL-L1	Compatible with GSD directly, enable via FusionSolar App - refer to p76-77 of L1 user manual,
SUN2000-5-10KTL-M1	SmartLogger3000A requested, enabled via laptop - refer to p224-p226 of SmartLogger3000A user manual
SUN2000-8-20KTL-M2	
SUN2000-29.9-40KTL-M3	

Note:

1. Export limit setting is not available when DRM functionality is enabled at this stage. (to be solved in H1)
2. When DRM0 is triggered by DNSP, the inverter will be instructed shutdown. Then all functionalities of the inverter are not available - e.g. off-grid mode for backup.

Huawei Technical Team, Australia
HUAWEI TECHNOLOGIES (AUSTRALIA) PTY LTD
01/02/2023