

# Grade Crossing Predictors— Model Changes

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TTTBLXP079

Issue 1.0

## 1 Applicability

Level crossings using Siemens Grade Crossing Predictors. The Model 3000 is approaching end of life and the Model 5000 is being introduced as an upgrade to the Model 4000.

## 2 Information

Siemens is introducing the Model 5000 Wayguard Grade Crossing Predictor (GCP 5000) for control of level crossing warning devices and interfaces. It provides train detection, warning device control, comprehensive data recording and alarm management.

The GCP 5000 is an incremental development that builds on the GCP 4000. It has all the functionality of the GCP 4000, is fully compatible with the GPC 4000's track components (shunts, couplers, etc) and many of the modules. It has the same case dimensions with most connections the same.

We are introducing it to:

- Address component obsolescence of the GCP 4000
- Provide Ethernet communications, simplify use of SEAR for condition monitoring and improve design processes
- Simplify design and maintenance

It retains the GCP 4000's functionality of reliable train detection, warning device control, housings and mostly uses the same hardware. Some enhancements are:

- New Office Configuration Editor (OCE) for offline preparation of application data
- New Diagnostic module (non-vital) for improved user interface; it is consistent with the OCE
- Improved layout of application data and status screens

- Metric units and Australian style dates
- Logic diagrams (including real time status)
- Update of SEAR Applications automatically from GCP rather than loading from PC
- PAC file comparison tool
- Central address for downloading logged data from co-located GCPs
- Ethernet connectivity (including DHCP server) for interfacing your PC to the system

More details can be found in the following links:

[Data Sheet](#)

[List of Differences](#)

Siemens will continue to supply and support GCP 4000 in the medium term, but the GCP 5000 is now our preferred product.

The Model 3000 Grade Crossing Predictor was withdrawn from sale in Australia several years ago because it could not comply with Australia's EMC requirements. Replacement modules will not be available after March 2019 and existing modules may not be repaired after September 2020. **This is a last time buy opportunity for replacement modules.** Please consider the implications to your business.

### 3 What do I need to do?

We recommend that you commence review and type approval of the GCP 5000 to ensure continued supply of crossing predictors and to take advantage of the additional facilities, communication and configuration offered by the new model.

We recommend users of GCP 3000 prepare a transition plan to the GCP 5000 or GCP 3000+. Consider whether you should purchase and stock any parts during the transition period.

Siemens can support you in these activities with additional data, access to equipment and type approval applications.

### 4 More Information

Please contact your Siemens sales representative to arrange for an expert to discuss these upgrades, provide further information and assist your application.

Copies of this and other bulletins can be downloaded from [www.siemens.com.au/downloadcenter](http://www.siemens.com.au/downloadcenter)