

## Technical Exercise 007 – PHP Function Class

### Objective

Using a text editor and PHP as the scripting language, create a PHP Class for 'Common Functions' with the following capabilities:

A single function to calculate the GTIN check digit for a passed 7, 11, 12 or 13 long integer and create the full GTIN 8, 12, 13 or 14 number.

A single function to calculate the 'Next Day Delivery' & 'Economy Delivery' dates from a passed date (assume the passed date will always be valid).

'Working Days' are the only days we can deliver on.

Assume that Saturday & Sunday are none 'Working Days' for most of our Partners, however some offer Saturday Deliveries and so Saturday has to be configurable as a 'Working Day' or not.

The number of days allowable for an 'Economy Delivery' also varies by Partner and so also has to be configurable.

All functions should return true if they have successfully completed their processing or false if an error condition has been encountered. Calling processes must also have access to the computed data and any error data.

The class and its functions should be designed to be robust, scalable and follow OOP concepts.

An overview explanation is also required to cover the design and structural choices that have been made and how the class would be used by a 'calling' script