

# Milestone #2 – GTIN Assignments

[Assigning GTINs to boxes]

**COMPLETE BY: September 2009**

## What is a GTIN?

The GTIN (or Global Trade Item Number) is a 14-digit number based upon GS1 standard protocols that is used *to identify boxes of flowers*.

## What are the components that make up a GTIN?

The GTIN has 4 major components:

Indicator = *for simplicity sake*, the recommendation is that this will always be a “1” for boxes of flowers, which is entirely within the expanded rules for a GTIN.


Company Prefix = see Milestone #1. Remember, the length of the Company Prefix could vary from 6 to 9 digits.

Reference # = the number assigned by the owner of the Company Prefix that identifies the BOX being numbered. This number can be whatever the owner of the Company Prefix wishes it to be, as long as this reference number is unique within their own operation. NOTE the length of this reference # will vary depending on the size of your Company Prefix above.

Check Digit = a single digit that is derived from an algorithm. This digit serves as a “checks and balances” to ensure that the preceding digits were not incorrectly entered.

# GTIN Diagram

Position	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	1	N	N	N	N	N	N	N	N	N	N	N	N	CD



Position 14 = Indicator  
'1' when identifying a BOX

Position 2 - 13 = Combination of Company Prefix and Box Reference #  
Company Prefix assigned by GS1  
Box reference # assigned by owner of Company Prefix

Position 1 = Check Digit  
Algorithm to serve as a "checks and balances" to ensure preceding digits are accurate

## 14 DIGITS LONG

### Who needs to obtain a Company Prefix?

The following companies must obtain their own GS1 Company Prefix

- Brand owners of the box.
- Growers who wish to maintain their own brand.
- Companies that change the composition of the original box and re-brand using their own brand.
- Bouquet manufacturers wishing to maintain their own brand.
- Buyers requiring private labeled product.

### Is the Company Prefix used in the GTIN the same as the Company Prefix used in the EAN or U.P.C. numbers?

YES. Once you have your GS1-issued Company Prefix, you can use this with any of the numbers managed by GS1 (GTIN, UPC, EAN, SSCC, GLN, etc.).

### When do companies have to assign GTINs to their box configurations?

Companies that need to assign GTINs to their box configurations must do so by September of 2009.

**How do I assign GTINs to my box configurations?**

See the Floral GTIN Assignment Strategy link on the front page directly below Milestone #2. Note that the Floral GTIN Assignment Strategy is meant to act as a guide that, if used, will provide relative simplicity and consistency on the number of GTINs the floral supply chain will have to manage.

**How do I calculate the Check Digit?**

Log onto [www.gs1.org](http://www.gs1.org) and type into their website's search engine "Check Digit". Follow the link to the Check Digit Calculator. Once on the Check Digit Calculator page, click on GTIN Check Digit Calculator. You can now enter the first 13 digits into the GTIN-14 field, then you click CALCULATE and it will give you your check digit for that number. If you have more than just a few numbers, scroll down underneath the Check Digit Calculator and it will show you the calculation used for each Check Digit so that you can automate the calculation of this Check Digit.