

COMMANDconcrete Auto Statusing with Third Party Vehicle Tracking System (CC-AST)

Description

The COMMANDconcrete Auto Statusing module is designed to automatically trigger and transmit ready-mix delivery statuses from Third Party Vehicle Tracking systems to COMMANDconcrete via COMMANDfleet. From the standard set of seven delivery statuses, either four, six, or all seven statuses may be automatically generated depending on the options chosen and the features provided by the Third Party Vehicle Tracking system.

Features

Four-status Auto Statusing:

- To Job, On Job, To Plant and At Plant statuses are automatically generated and sent from the truck status unit without the driver having to press the status buttons.
- These statuses are generated by GPS detection of the truck moving into or out of loading plants zones and delivery sites zones as defined in the Order.
- Geo-coded plant and delivery site zones must be defined in COMMANDconcrete and associated with Orders.
- Driver must still press status buttons for Load, Pour and Wash.
- Third Party Vehicle Tracking System must send trip packet information for the delivery tickets from COMMANDconcrete to truck-mounted signaling units via COMMANDfleet and transmit status messages for To Job, On Job, To Plant and At Plant back to COMMANDconcrete via COMMANDfleet.

Six-status Auto Statusing:

- In addition to the four statuses above, Pour and Wash statuses are also automatically generated and sent from the truck status unit without the driver having to press the status buttons.
- These statuses are generated using drum rotation sensors mounted on the truck.
- Driver must still press status button for Load.
- Third Party Vehicle Tracking System must transmit status messages for Pour and Wash back to COMMANDseries via COMMANDfleet.

Seven-status Auto Statusing

- In addition to the six statuses above, Load status is also automatically generated and sent from the truck status unit without the driver having to press the status button.
- The Load status is generated by a qualified batch panel at the plant.
- When a batch is released into truck's mixer drum a "Load Event" is sent from the batch control system to the Third Party Vehicle Tracking System via COMMANDfleet.
- The Third Party Vehicle Tracking system is responsible for transmitting the Load event message to the truck-mounted statusing unit and to COMMANDconcrete via COMMANDfleet.

Prerequisites

For four-status:

- COMMANDconcrete Order Entry (CC-OE)
 - COMMANDconcrete Truck Tracking (CC-TT)
 - COMMANDconcrete Auto Statusing (CC-AS)
 - COMMANDconcrete Map Order Entry (CC-MO)
 - COMMANDconcrete Map Truck Tracking (CC-MT)
 - Third Party Vehicle Tracking System capable of communicating trip packets to GPS enabled trucks and transmitting To Job, On Job, To Plant and At Plant status messages to COMMANDconcrete via COMMANDfleet
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For six-status all of above plus:

- Drum Rotation Sensors in each truck
- Third Party Vehicle Tracking System capable of reading drum rotation sensors and transmitting Wash and Pour status messages to COMMANDconcrete via COMMANDfleet

For seven-status all of above plus:

- Batch control system capable of transmitting Load Event Message to Third Party Vehicle Tracking System
- Third Party Vehicle Tracking System capable of transmitting Load Event Message to truck-mounted statusing units and to COMMANDconcrete via COMMANDfleet

Notes

- If using Microsoft MapPoint, all mapping options require a customer-purchased licensed copy of Microsoft MapPoint installed on each network PC where mapping is required.

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