TECHNICAL BULLETIN

CR6000™ COIN RECYCLER 0.01 USD PHASEOUT – TB040EN

Summary	Enhancement/Modification ☒ Issue/Repair ☐
Date of Release	10/29/2025
Product Affected	CR6000™ coin recycler
Product Model Affected	All Models
Audience	Retailers, System Integrators, Technical Support Teams
☒ **Enhancement/Modification**	0.01 USD phaseout bulletin required for all coin products impacted

Background

Due to the increasing unavailability of the 0.01 USD coin in circulation, retailers using the coin recycler in self-checkout environments may experience operational challenges. This bulletin outlines three supported use cases and provides configuration guidance for each scenario. It also details integration considerations across supported interfaces: Serial Protocol, Custom API, JavaPOS, and CPI Payment Service API (uAPI).

Note that the coin recycler has two payment methods:

1. The change to payout is sent to the device and the coin recycler calculates the coins to pay out (default).
2. The host calculates the coins to payout and sends coin/quantity commands to the coin recycler.

Use Case Scenarios

Scenario 1: No Configuration Changes – Unit Runs Short of 0.01 USD Coins

Description:
The retailer continues accepting and dispensing 0.01 USD coins. The coin recycler may run short of 0.01 USD coins, leading to an incomplete change payout.

Implications:

- The coin recycler will be unable to pay the exact change and will return an associated error.
- Increased operator intervention to refill 0.01 USD coins.

Recommended Actions:

- Determine the POS/SCO error when the payment system is unable to pay out requested change.
- Monitor the coin inventory levels more frequently.
- Consider transitioning to Use Case 2 or 3.

Scenario 2: Accept 0.01 USD Coins but Do Not Dispense as Change

Description:
Retailer accepts 0.01 USD coins as payment but does not dispense them as change.

Configuration Steps:

- **CR6000 Settings:** No change.
- **Host Interface:**
  - **Option A:** If the POS/SCO uses the payout by value method, round all dispense requests to multiples of 0.05 USD and ensure the system goes out of service if the 0.05 USD hopper balance reaches zero.
  - **Option B:** If the POS/SCO uses the payout y coin method, ensure all coin dispense requests do not use the 0.01 USD.
- **Integration Notes:**
  - **Serial Protocol/Custom API:** Update the payout command to exclude payouts that are not multiples of 0.05 USD.
  - **uAPI:** See separate uAPI technical bulletin.
- **Customer Impact:**
- Change may be rounded to the nearest 0.05 USD or 0.10 USD as required.
- Amount inserted may not be returned if the transaction is aborted.

If you have any questions, please do not hesitate to contact your local CPI sales representative.
Thank you for your continued support of Crane Payment Innovations.
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Use Case Scenarios (cont.)

Scenario 3: Disable both Acceptance and Dispensing of 0.01 USD Coins

Description:
Retailer opts to fully remove the 0.01 USD coin from transactions.

Configuration Steps:

- **CR6000 Settings:** Disable the 0.01 USD coin acceptance and dispensing.
- **Host Interface:**
  - Remove the 0.01 USD coin from accepted denominations and ensure payout values are multiples of 0.05 USD.
- **Integration Notes:**
  - **Serial Protocol/Custom API:** Use the bitmask in header 231 (Modify Inhibits) to inhibit acceptance of 0.01 USD, host rounds all dispense requests to multiples of 0.05 USD or uses pattern pay. 0.01 USD hopper can remain in the system or be removed.
  - **uAPI:** See separate uAPI technical bulletin.

Customer Impact:

- Transactions may be rounded.

Interface Type	Configuration Notes
Serial Protocol	Direct command updates are required for coin acceptance and payout logic.
Custom API	Ensure the API layer reflects the changes in the serial protocol configuration.
JavaPOS	Use the service object properties to manage accepted coins and payout behavior.
uAPI	Update the transactional rules and denomination profiles via configuration files or API calls.