Design of Vehicle state transition in VLM Handheld application

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This table defines the Assumptions and planned UI behavior for the VLM handheld application under all possible scan conditions.

Scan event processing takes the defined action when a barcode moves FROM a previously state TO a new state.

The TO state is defined by the Operation selection on the Yard tab. SET, CRUSH == TRNSFERCRUSH.

TO	FROM Cache State: Barcode Not Present on handheld	FROM Cache State: Barcode Present with "SET" state	FROM Cache State: Barcode Present with "Crushed (or xferCrushed) State
Not Present	---	---	---
"SET"	Add Scanned Barcode as SET with Row number from user	Prompt: "Barcode NNN has already been set. Do you want to remove this barcode from the "SET" list? Y/N." ACTION: Y-> delete barcode with SET status from cache. N-> (no action taken)	Prompt: "Barcode NNN has already been CRUSHED. Do you want to remove this barcode from the "CRUSHED" list? Y/N." ACTION: Y-> Delete barcode with CRUSHED status from cache. N-> (no action taken)
"Crushed (or TRNSFERCRUSH)	Add Scanned Barcode as CRUSHED with Row number from user	This *SHOULD NOT* happen because we are assuming a sync operation has cleared the cache between the SET and CRUSH events. If it does happen, the action is to add the barcode with a status of CRUSH with no prompting..	Prompt: "Barcode NNN has already been CRUSHED. DO you want to remove this barcode from the CRUSHED list? Y/N. "