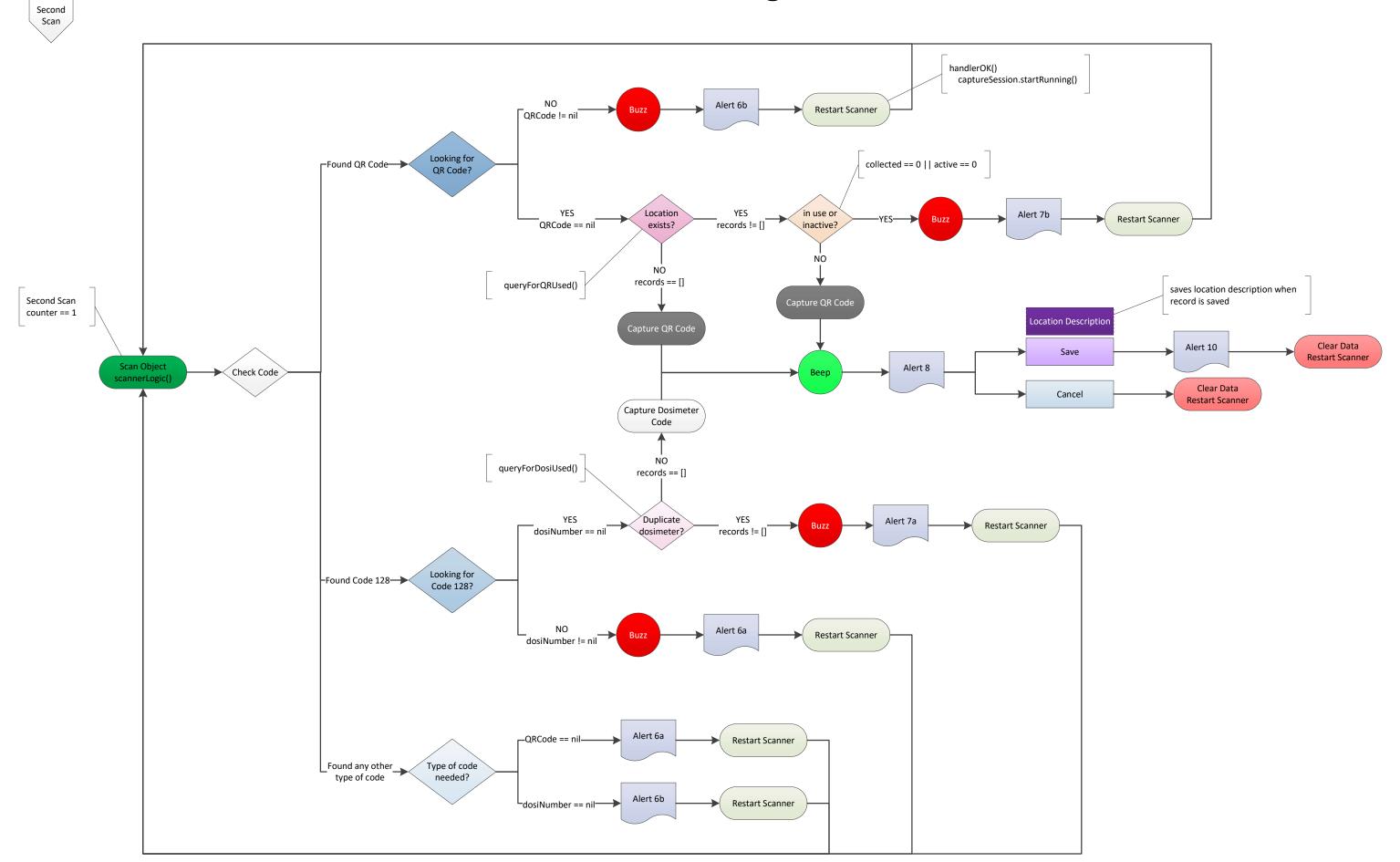
First Scan Logic Tree deploy() queryForDosiFound() counter = 1 beep() Alert 4 Found Code 128—Capture Dosimeter Dosimeter in NO Alert 1 Database? itemRecord == nil Cancel Restart Scanner handlerCancel() clearData() captureSession.startRunning() itemRecord != nil beepFail() YES Clear Data Collected? ОК **Restart Scanner** saves mismatch flag when First Scan collect() Exchange/Collect is selected counter == 0 Mismatch Switch NO collected == 0 Alert 3 Alert 11a Scan Object Check Code Collect Exchange clear: dosi, QR Alert 3a active == 1 Clear Data Cancel Restart Scanner scannerLogic() First Scan Active? QRCode Second Code128 Scan Second Scan Clear Data Alert 11 page 2. Collect Restart Scanner NO Alert 3i Clear Data Cancel Restart Scanner NO collected == 0 NO Clear Data Alert 2a ОК active == 0 Restart Scanner YES Active? Collected? collected == 1 (or no dosimeter at location) Alert 5 queryforQRFound() YES itemRecord != nil Clear Data Cancel Location in NO −Found QR Code ← Capture QR Code Beep Database? itemRecord == nil Found any other Alert 9 type of code

Second Scan Logic Tree



Alert 1 DOSIMETER NOT FOUND: <Dosimeter#> [DEPLOY] [CANCEL]

Alert 2 LOCATION FOUND/ NEW LOCATION: <QRCode> [DEPLOY] [CANCEL]

Alert 2a INACTIVE LOCATION: <QRCode> Please activate this location to deploy a dosimeter. [OK]

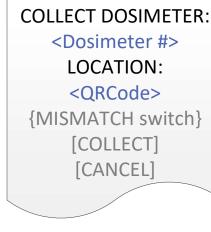
```
Alert 3a
EXCHANGE DOSIMETER:

<Dosimeter #>
LOCATION:

<QRCode>
{MISMATCH switch}

[EXCHANGE]

[CANCEL]
```



Alert 3i



Alert 4 SCAN ACCEPTED

Dosimeter barcode accepted <Dosimeter#>. Please scan the corresponding location code.

{photo}

[OK]

Alert 5 SCAN ACCEPTED Location code accepted <QRCode>. Please scan the corresponding dosimeter. {photo}

[OK]

Alert 6a ERROR Try again...Please scan the corresponding location code. {photo} [OK]

ERROR Try again...Please scan the corresponding dosimeter. {photo} [OK]

Alert 6b

Alert 7a

Alert 7b LOCATION IN USE/ INACTIVE LOCATION: <QRCode> Try again...Please scan a different location. {photo} [OK]

Alert 8

DEPLOY DOSIMETER:

<Dosimeter#>
LOCATION:

<QRCode>
{LOCATION textfield}

[SAVE]

[CANCEL]

Alert 9

INVALID BARCODE TYPE
Please scan either a dosimeter
or a location barcode.

[OK]

Alert 9a INVALID DOSIMETER: <Dosimeter#> This dosimeter has already been collected. [OK]

Alert 10 SAVE SUCCESSFUL! QR Code: <QRCode> Dosimeter: <Dosimeter#> [OK]

Alert 11 COLLECTION SUCCESSFUL! QR Code: <QRCode>

QR Code: <QRCode>
Dosimeter: <Dosimeter#>
[OK]

Alert 11a COLLECTION SUCCESSFUL!

QR Code: <QRCode>
Dosimeter: <Dosimeter#>
[OK]