

# Canadian Mission Control Center Canadian Beacon Registry



Beacon Manufacturers Workshop  
Captain Keith Wohlgemuth

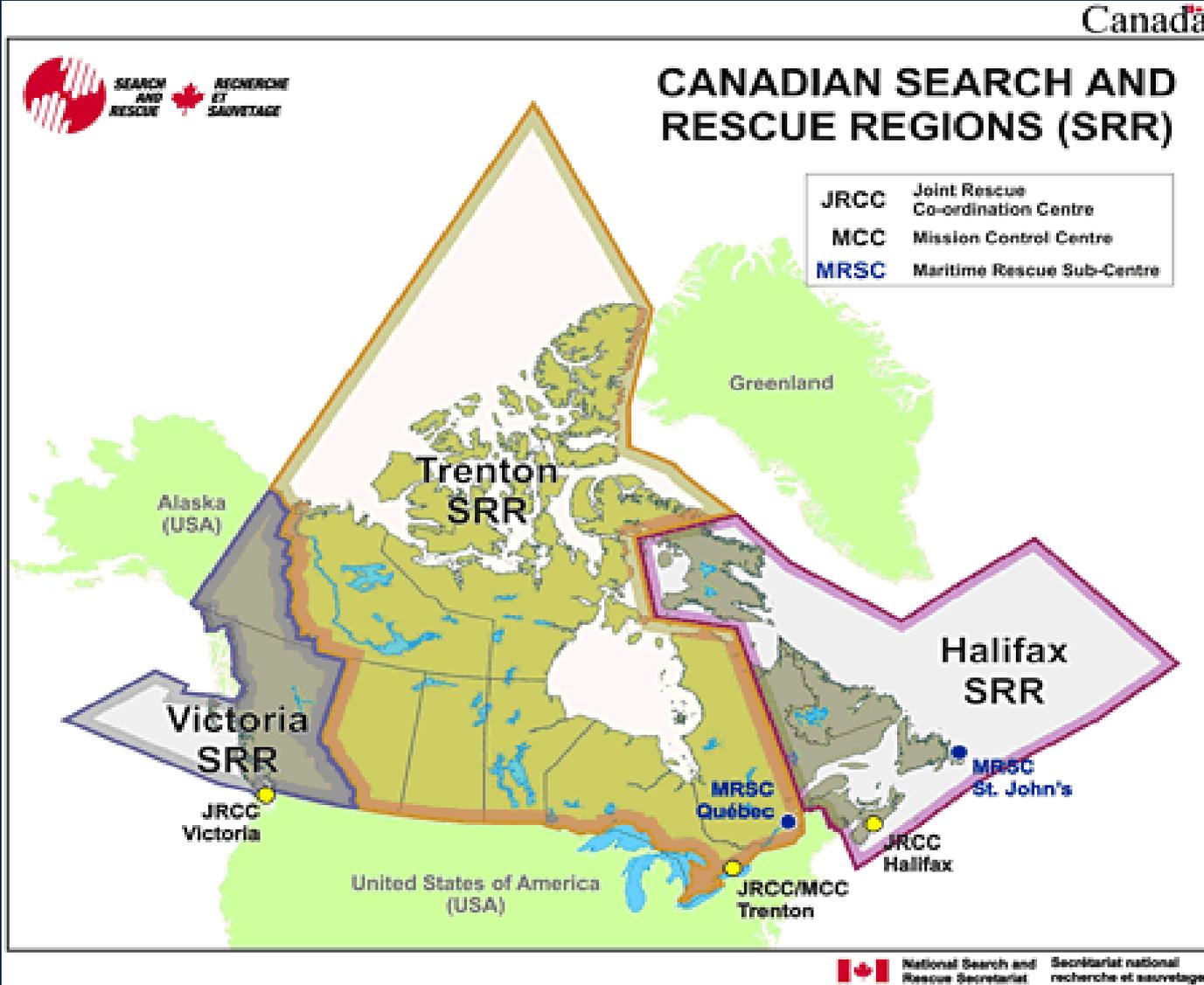


# Outline

- CMCC & CBR Intro
- CBR Activity
- ABRC
- Beacon Anomalies
- What can you do to help?
- CBR Demo
- Contact Information and Questions



# CMCC & CBR Intro - Canadian AOR



# CMCC & CBR Intro

- Officer in Charge: Maj Gilles Bourgoin
  - Deputy OIC: Capt Keith Wohlgemuth
  - CBR Wizard 😊: Ms. Angie Cornish
- 
- ~ 23,500 as of last BMW (May 2011)
  - ~ 27,000 as of now (15% increase)
- (contact info at end of presentation)



# CBR Activity

- ELT's with no 24 bit
- Unregistered ELT's with 24 bit
- Mismatch ELT's – Registered tail vs 24 Bit
- Location protocol – not \*FFBFF
- 4<sup>th</sup> digit miscode
- Mass mail out



# CBR Activity

- Mass emails
- Paper file verification
- Beacon replacement with updated TAC
- Data cleansing preparing for new website
- Ownership transfers
- Hex id pattern recognition

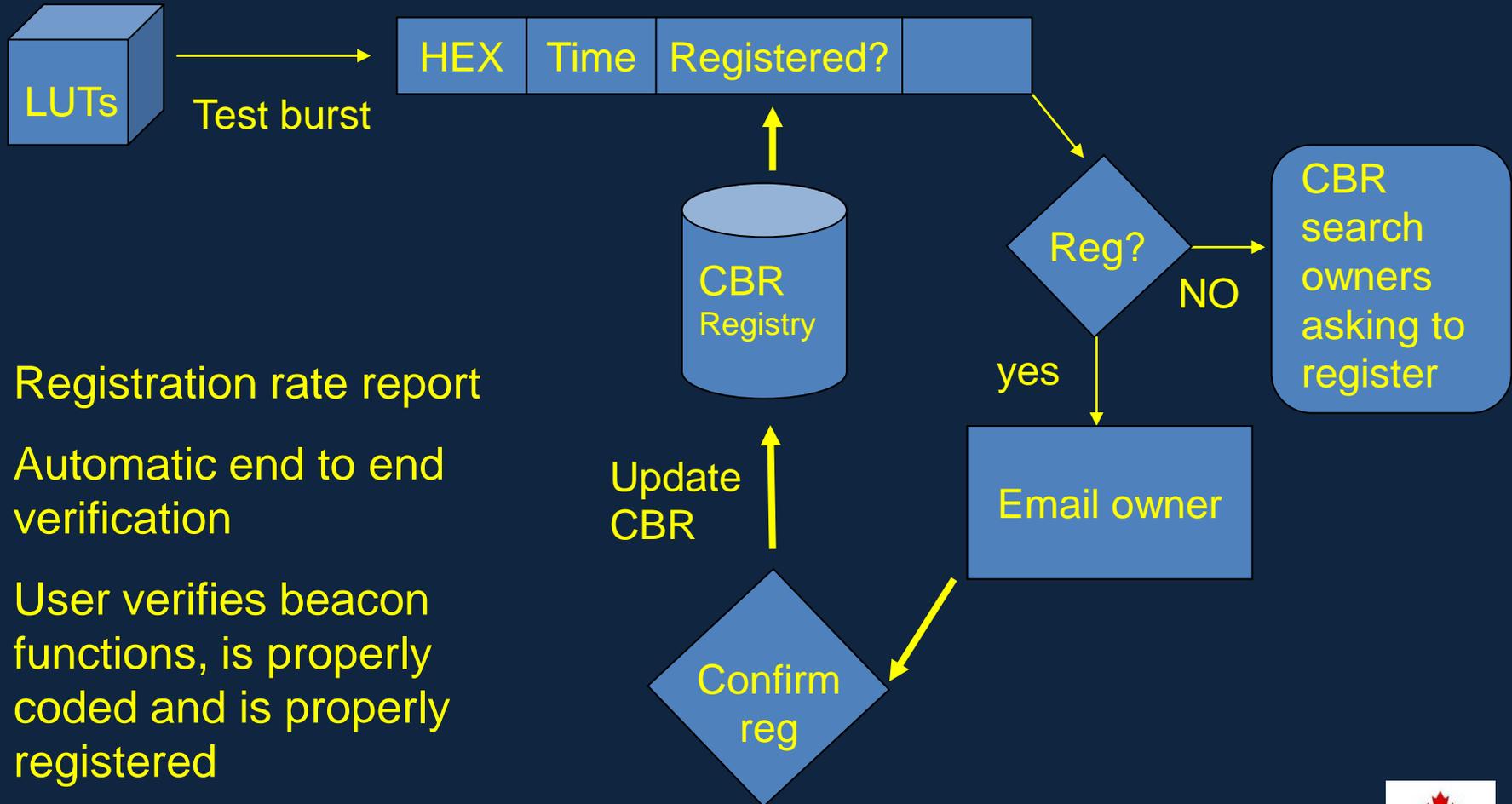


# CBR Activity

- CBR SOPs and training package
  - Acceptable practices (ie exchange of information)
  - Tracking of unregistered beacons
  - Pattern recognition
  - Second level verification of CBR inputs
  - Improving CBR service to *all of our* customers
- Current database stats



# ABRC – BMW 2011 slide: What we are proposing



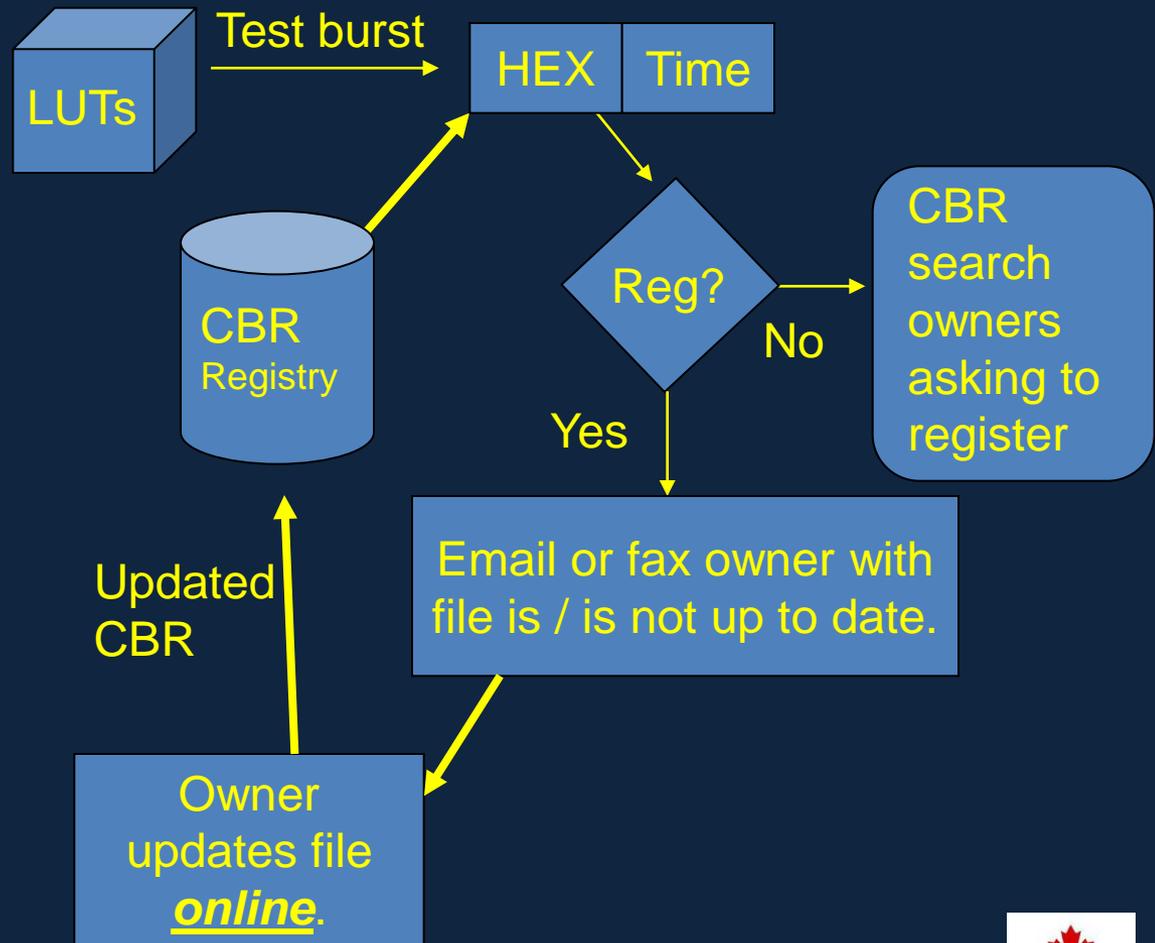
- Registration rate report
- Automatic end to end verification
- User verifies beacon functions, is properly coded and is properly registered
- User gains confidence



# ABRC – Beta phase Feb 12

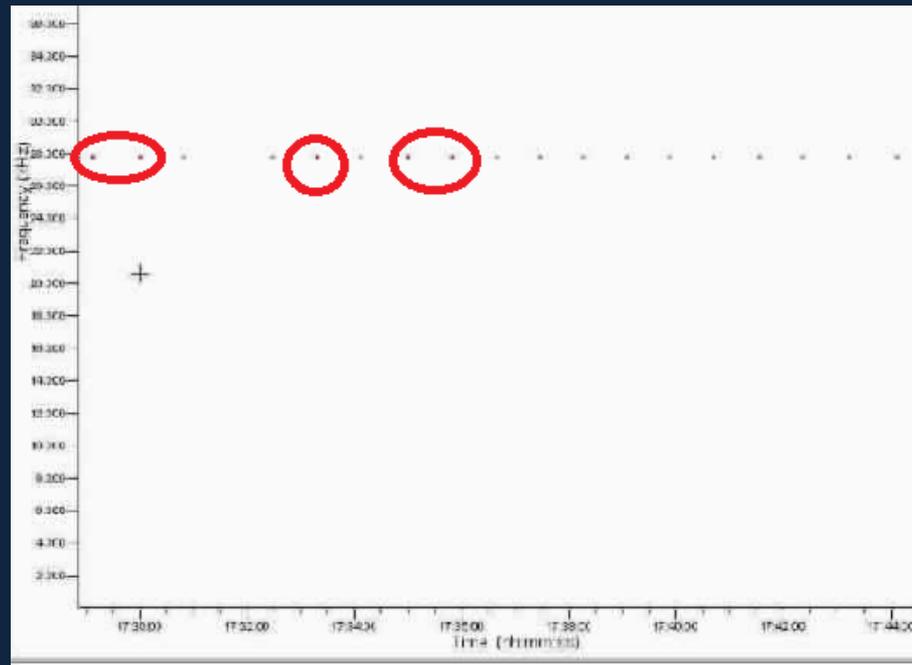
## Automatic Beacon Registry Checker

- Registration rate report
- Unregistered report
- Fax report
- Gives automatic end to end verification
- User verifies beacon functions, is properly coded, registered, and up to date
- User gains confidence
- Identifies outdated files
- Reduces workload



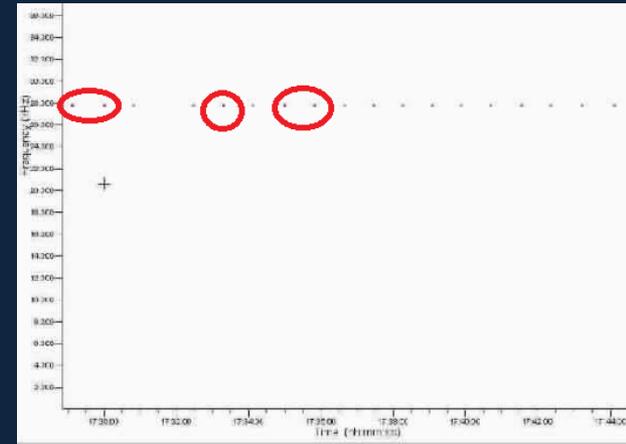
# Beacon Anomalies

- Switching between Test protocol and real code
  - ELT's (real and false alarm cases)
  - EPIRB (real distress and no distress – both with resources launched)



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  - ELT's (real and false alarm cases)
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- Random not user initiated continuous inverted frame sync (ABRC now alerting = CMCC or CBR follow-up)



# What can Manufactures do?

- Support us so we can support YOUR customers!
- How?
  - Can you share the Canadian Hex id's (especially EPIRB and PLB) that you manufacture and there owners / contacts? If not, who are your vendors?
  - Vendors often have no information for owners and they call us instead. Once resellers educated, better registration.
  - Resellers do say to register the beacons!
- Let us know how we can help you?



# CBR Demo

[www.cbr-rcb.ca](http://www.cbr-rcb.ca)



# Contact Information

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# Questions

