

# 2015 Beacon Manufacturers Workshop

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## PRELIMINARY RESULTS OF 2015 BEACON MANUFACTURERS SURVEY

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# Preliminary Results of 2015 Survey of Beacon Manufacturers

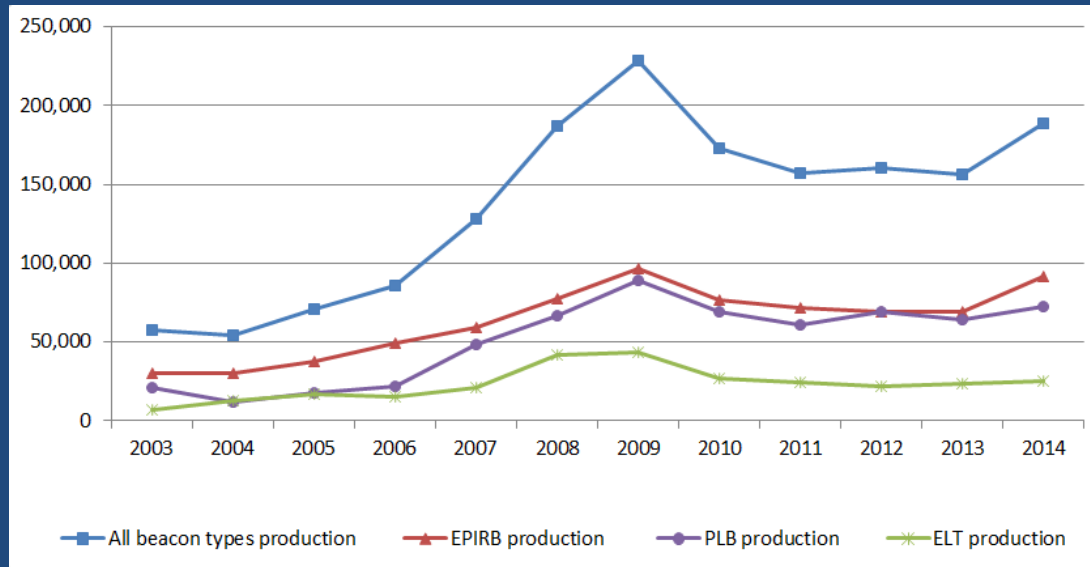
# 2015 Survey Highlights

- Conducted by the Cospas-Sarsat Secretariat since 1991, annually
- **50** beacon manufacturers participated in the survey
- Geographical distribution of participating manufacturers:
  - Europe: **44%**
  - USA and Canada: **30%**
  - Asia and Australia: **26%**

# 2015 Survey Highlights



- In 2014, about **188,500** beacons were produced worldwide, the annual production has increased by **20.7 %** over 2013



- In 2013, **156,000** beacons were produced (- 2.5% over 2012)
- In 2012: 160,000 beacons were produced (+ 2.2% over 2011)
- In 2011: 156,000 beacons were produced (- 9.6% over 2010)
- In 2010: 172,000 beacons were produced (-24 % over 2009)
- In 2009: 228,000 beacons were produced (+22.5% over 2008)

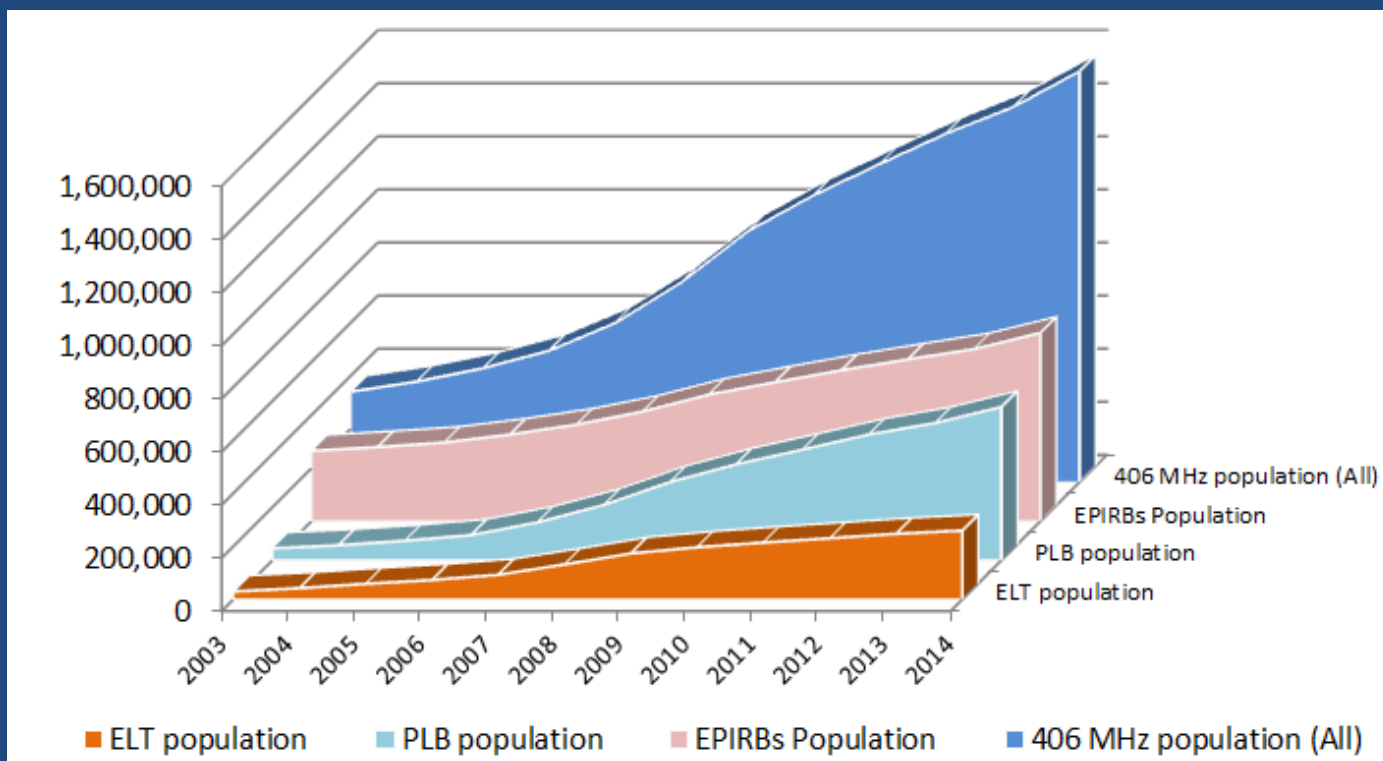
# Preliminary Results of 2015 Survey

~ **188,500** beacons were produced in 2014 worldwide, including :

- Over 91,000 **EPIRBs** (increase of annual production: + 32.6% against 2013)
  - annual production growth in 2003 - 2009;
  - annual production decrease in 2010 (- 38%), in 2011 (-6.7%), in 2012 (-3.5%) and 2013 (-0.6% against 2012)
  
- About 25,000 **ELTs** (increase in annual production: +7.8% against 2013)
  - annual production growth: in 2005 (+31 %), in 2007 - 2009; in 2013 (+5.5%)
  - annual production decrease: in 2006 (-10%), 2010 (-20%), in 2011 (- 9.2%) and in 2012 (-10% against 2011)
  
- Over 72,000 **PLBs** (annual increase: + 12.6% against 2013)
  - annual production growth: in 2005 – 2009 and 2012;
  - annual production decrease in 2010 (- 22%), in 2011 (-12.4%), and in 2013 (-7.7%)

# Estimated Global Beacon Population

- **Over 1,547,000** beacons were in use at the end of 2014
- Annual increase in global beacon population : **~ 9.5%**



# 2015 Survey Highlights

- 6 manufacturers (12% of all respondents) reported 'zero' production in 2014, (in 2013: 23%, in 2012 : 14%, in 2011: 22% )
- 18 manufacturers (36% of all respondents) produced 1 - 499 units produced in 2014, (in 2013: 27%, in 2012: 35%, in 2011: 24%)
- 26 manufacturers (52%) had annual production of > 500 units, (in 2013: 50%, in 2012: 51%, in 2011: 53%)



## Other 2015 Survey Results

54 % of beacon manufacturers reported increase in the annual production volumes in 2014 (38% in 2013)

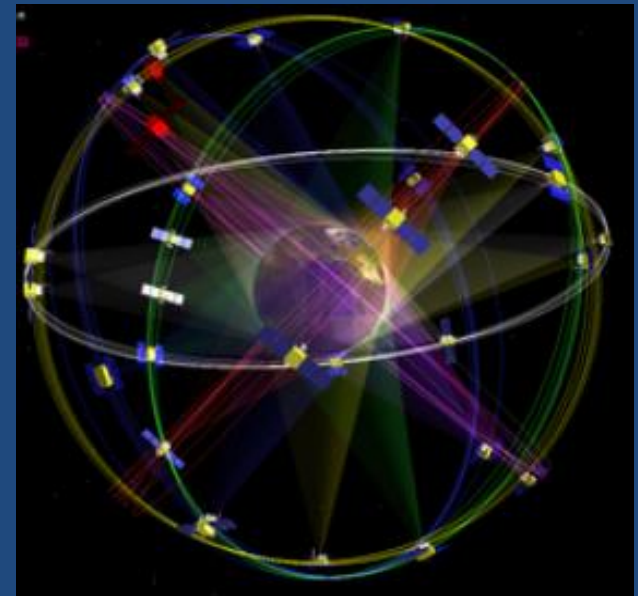
in 2014-15, four new beacon manufacturers informed Cospas-Sarsat of their plans to develop and type approve new models



# Location Protocol Beacons

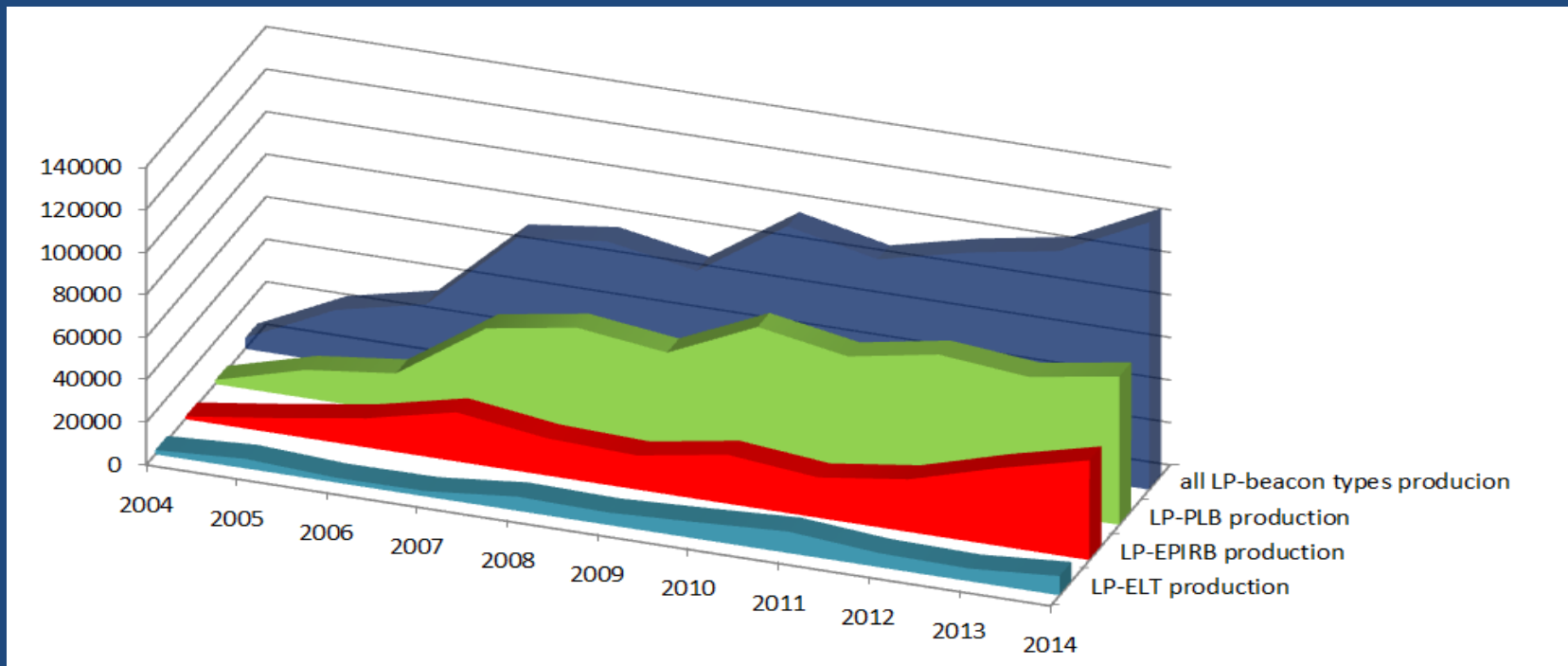
➤ in 2014, 126,000 LP-beacons were produced, including:

- ELTs: approximately 9,000 (or 7.2% of LP-beacons of all types),
- EPIRBs: about 47,000 (37.3% of LP-beacons of all types),
- PLBs: about 70,000 (60% of LP-beacons of all types).



➤ 2014: over 793,000 LP-beacons were deployed worldwide (51.2% of 406 MHz beacons global population).

# Location Protocol Beacons Production Trends in 2004 - 2014

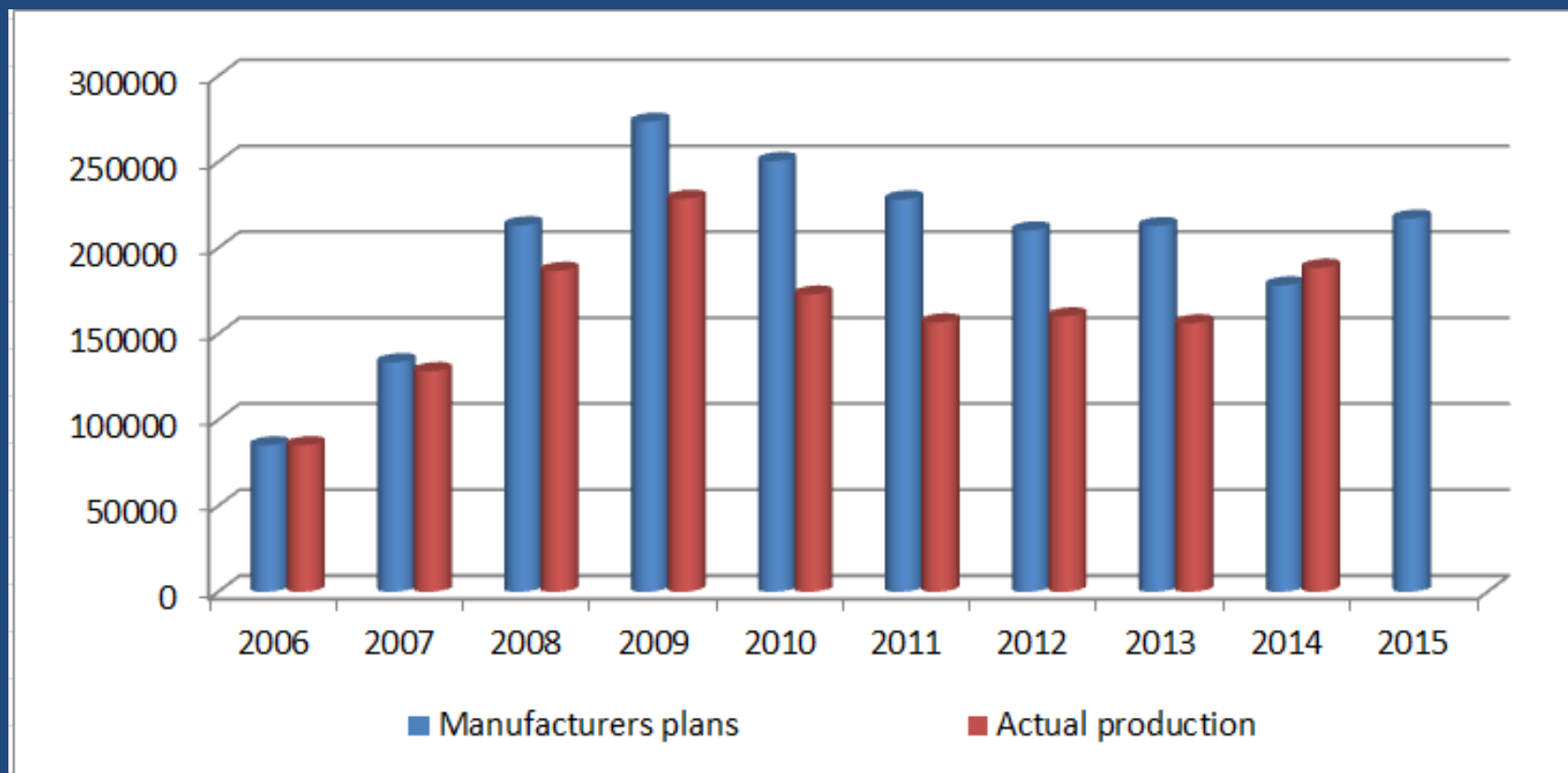


	% of LP-ELT	% of LP-EPIRBs	% of LP-PLBs	% of LP (all types)
2004	16.1 %	4.3%	16.3%	9.6%
2008	15.9%	22.5%	79.1%	41.3%
2012	30.4%	35.7%	97.1%	61.4%
2013	25.9%	53.2%	98.3%	67.4%
2014	36.4%	51.3%	96.7%	66.7%

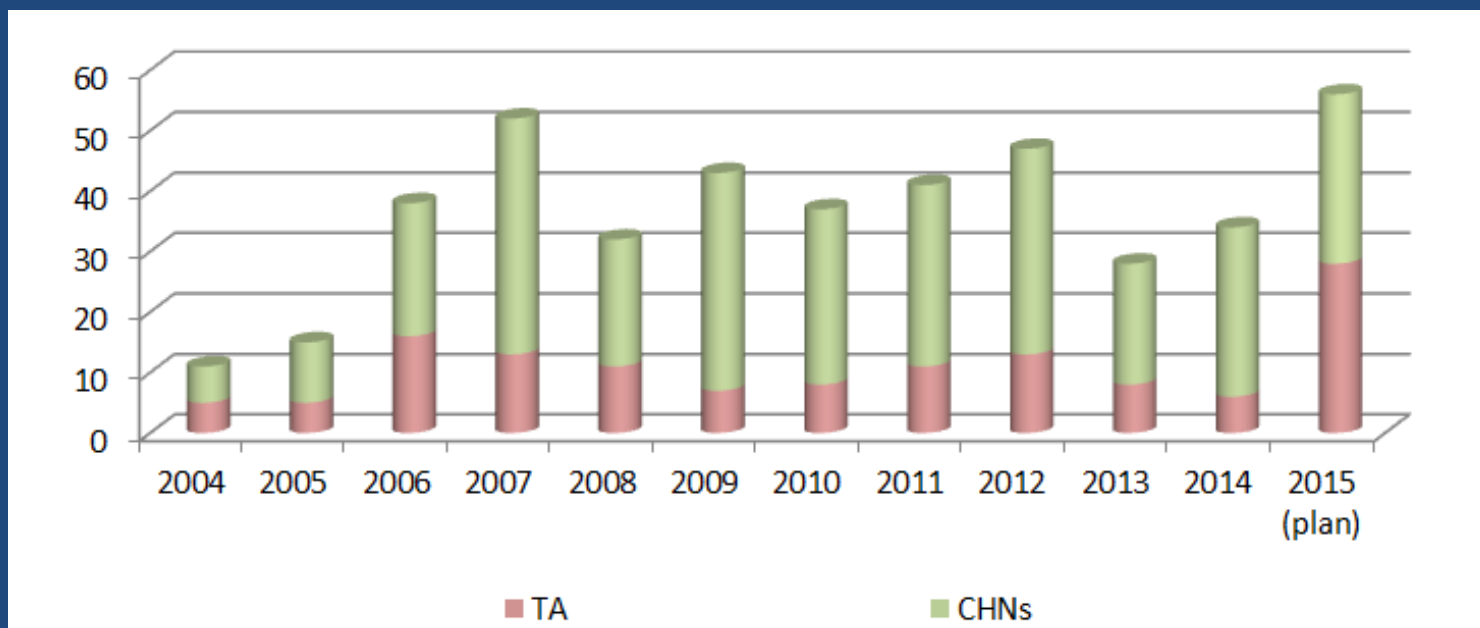
## Manufacturers' Plans for 2015

- **217,000** beacons to be produced in 2015 (+ 15 % over actual production in 2014), including:
  - » EPIRBs: 97,000
  - » ELTs: 27,000
  - » PLBs: 93,000
- In 2015, global 406 MHz beacon population could reach 1,693,000 (annual growth +9.4%)

# Accuracy of Manufacturers Forecasts (all beacon types annual production)



# Type Approval Activity



In 2015, the Secretariat expects 28 applications for Type Approval of new beacon models and 28 Change Notices from 22 beacon manufacturers

# For more information...

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**Thank you .**