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)
~ **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 decrease in 2010 (- 22%), in 2011 (-12.4%), and in 2013 (-7.7%)
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

<table>
<thead>
<tr>
<th>Year</th>
<th>% of LP-ELT</th>
<th>% of LP-EPIRBs</th>
<th>% of LP-PLBs</th>
<th>% of LP (all types)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>16.1 %</td>
<td>4.3%</td>
<td>16.3%</td>
<td>9.6%</td>
</tr>
<tr>
<td>2008</td>
<td>15.9%</td>
<td>22.5%</td>
<td>79.1%</td>
<td>41.3%</td>
</tr>
<tr>
<td>2012</td>
<td>30.4%</td>
<td>35.7%</td>
<td>97.1%</td>
<td>61.4%</td>
</tr>
<tr>
<td>2013</td>
<td>25.9%</td>
<td>53.2%</td>
<td>98.3%</td>
<td>67.4%</td>
</tr>
<tr>
<td>2014</td>
<td>36.4%</td>
<td>51.3%</td>
<td>96.7%</td>
<td>66.7%</td>
</tr>
</tbody>
</table>
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)
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.