Light Team Quality Assurance Group (LT/QAWG)

- ISG 2016 – Initiate LTWG
- ISG 2017 – Endorsed concept for Light Teams
- ISG 2018 –
  - Teams wishing to Classify as ‘Light’ require support of Policy Focal Point and undergo NAP. (If NAP exists in the country)
  - Develop Classification process and Checklist
  - Pilot Light Team Classification system in 2018-2019
  - Existing Heavy and Medium teams can deploy as Light, without further assessment
  - Countries not wishing to deploy as Light, are not required to
  - Receiving countries may specify L/M/H when requesting assistance
Review of work by LT/QAWG

• Light USAR Teams
  • “Classified Light USAR teams”
  • Ability for all five functions of USAR
  • Provide Support to RDC/UCC
  • 17-20 person team
  • Work on one site, 12 hour /day, 5 days
  • 2 teams can work together on one site for 24 hour operations, if needed
  • Capable of ASR3 (one work period)
  • Stepped work capacity from Light, to Medium, to Heavy
Review of work by LT/QAWG

- Developed concept
- Identified level of technical capability
- Identified linkages between LTWG and NAP outcomes
- Developed ‘Light USAR Team’ classification methodology – Mentor and Classifiers
- Developed DRAFT IEC Checklist
- Reviewed INSARAG Guidelines, and developed DRAFT amendments
- Classified Light Teams Position Paper
- Operational integration paper
Classified Light Teams IEC System

- Integration flow chart for USAR development
Light Team Classification

• Light USAR Team = Standard INSARAG Classification
  • 1 x Mentor
  • Full Classifier team
• INSARAG coordination standards
• 5 yearly re-classification
# Classified Light Teams Standards

<table>
<thead>
<tr>
<th>Description</th>
<th>Classified Heavy USAR team</th>
<th>Classified Medium USAR team</th>
<th>Classified Light USAR team</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASR level capability</td>
<td></td>
<td></td>
<td>ASR 1,2 &amp;3.</td>
</tr>
<tr>
<td>Search capability</td>
<td></td>
<td></td>
<td>Technical AND/OR Canine</td>
</tr>
<tr>
<td>Concrete walls and floors</td>
<td></td>
<td></td>
<td>Mesh reinforced – up to 150mm</td>
</tr>
<tr>
<td>Concrete columns and beams</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Structural steel</td>
<td></td>
<td></td>
<td>3 mm</td>
</tr>
<tr>
<td>Reinforcing bars (Rebar)</td>
<td></td>
<td></td>
<td>Non-structural mesh reinforcing</td>
</tr>
<tr>
<td>Timber</td>
<td></td>
<td></td>
<td>200mm</td>
</tr>
<tr>
<td>Rigging and lifting (Manual &amp; levers)</td>
<td></td>
<td></td>
<td>1 Tonne</td>
</tr>
<tr>
<td>Rigging and lifting (Mechanical, Hydraulic or Pneumatic)</td>
<td></td>
<td></td>
<td>1 Tonne</td>
</tr>
<tr>
<td>Crane operations (Slings)</td>
<td></td>
<td></td>
<td>5 Tonne</td>
</tr>
<tr>
<td>Safe work at heights and rope rescue</td>
<td></td>
<td></td>
<td>Rescue a casualty from 10 metres above or below the work site.</td>
</tr>
<tr>
<td>Shoring</td>
<td></td>
<td></td>
<td>Windows and doors</td>
</tr>
<tr>
<td>HAZMAT Detection</td>
<td></td>
<td></td>
<td>Radiation, Air Monitoring (O2, CO, H2S, Flam) Ph/Alkalinity.</td>
</tr>
<tr>
<td>Light Team Classification Checklist</td>
<td>DRAFT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 13.3.1 Penetrate (200mm-of) reinforced concrete vertically overhead to avoid space. | Applies to Light, Medium and Heavy Teams. |
| 13.3.2 Penetrate (200mm-of) steel reinforced concrete laterally into a void space. | 150mm 200mm 200mm |
| 13.3.3 Penetrate (200mm-of) steel reinforced concrete vertically below to a void space using a "dirty" technique. | 150mm 200mm 200mm |
| 13.3.4 Penetrate (200mm-of) reinforced concrete vertically below to a void space using a "clean" technique. | not applicable 200mm 200mm |
| 13.3.5 Cut a steel reinforced concrete column or beam  Heavy team: 450 mm with 18 mm reinforcing rod  Medium team: 300 mm with 12 mm reinforcing rod | 300 mm with 12 mm reinforcing rod 450 mm with 18 mm reinforcing rod |
| 13.3.6 Cut solid timber  (Heavy & Medium team: 300 mm)  Note: to be seen as a wooden column or beam | 200mm 300mm 300mm |
| 13.3.7 Cut metal Plate  (Heavy team: 20 mm-thick; 1M X 1M  Medium team: 10 mm-thick; 0.7M X 0.7M) | 3 mm thick; 0.7M X 0.7M 10 mm thick; 0.7M X 0.7M 20 mm thick; 1M X 1M |
| 13.3.8 Cut Structural Steel  Heavy team: depth: 260mm; width: 102 mm; web: 6.5 mm; flange: 10 mm  Medium team: depth: 127 mm; width: 76 mm; web: 4 mm; flange: 7.6 mm | not applicable 127 mm width: 76 mm web: 4 mm flange: 7.6 mm 260mm width: 102 mm web: 6.5 mm flange: 10 mm |

Note: This should not be an isolated cutting demonstration.
Guidelines Review

- Volume II, Manual A: Capacity Building
- Volume II, Manual B: Operations
- Volume I, Policy
- IEC Checklist (Light USAR Teams)
Summary

• Integration of Light / Medium / Heavy Classified and NAP processes
  • Four levels of USAR operations
    • First Responder
    • Light – National (Accredited), and International (Classified)
    • Medium - National (Accredited), and International (Classified)
    • Heavy - National (Accredited), and International (Classified)
  • IEC checklist for Light USAR teams
  • Review of Guidelines for Light Classified USAR teams for GRG
  • Reference “Light Classified” teams, not ‘International Light’
Breakout Discussion

• Team Leaders to be part of the process to implement the Light USAR concept
• Need your opinions on the developed products
• Breakout discussion this afternoon
  • Discuss operational requirements in a scenario
  • Discussion about DRAFT IEC Checklist
INSARAG recommends building National USAR Capability prior to initiation of Int. Light USAR Team Capability Highlight the responsibility of National Focal Point

Check the operational capability of the Team based on 5 functions assessed by the mentor according to Int’l LT Checklist

- Define training gaps
- Optimize training program for international deployment
- Implement the new training program

Mentor Report to INSARAG and Focal Point

Assessment of the full team in a field exercise according to the checklist

- Define equipment gaps
- Optimize logistics cache for international deployment
- Establish equipment manifest

A certificate of classification will be provided. Team will be registered in INSARAG directory. Team will be issued a badge for recognition in the field.

The teams are representative of their own country in international deployments, therefore National focal points has to approve the start of the process

Team has to inform INSARAG and define its own operational capability in all 5 functions

The teams are expected to support the overall system

Portfolio of Evidence (PoE) is the administrative proof of the quality of the process Standard Procedures are needed for International Deployment in a USAR Response as per the Guidelines

Teams are advised to run this process in a learning environment and select a mentor to successfully complete the QA process

INFORMATION

No

Yes

Provide the Complete Portfolio of Evidence according to V2 Manual C to INSARAG

INTERNATIONAL LIGHT USAR TEAM

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Translation of the advisory report to a plan of action for reclassification in 5 years.

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