



INSARAG Working Groups Update

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LT/QAWG

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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

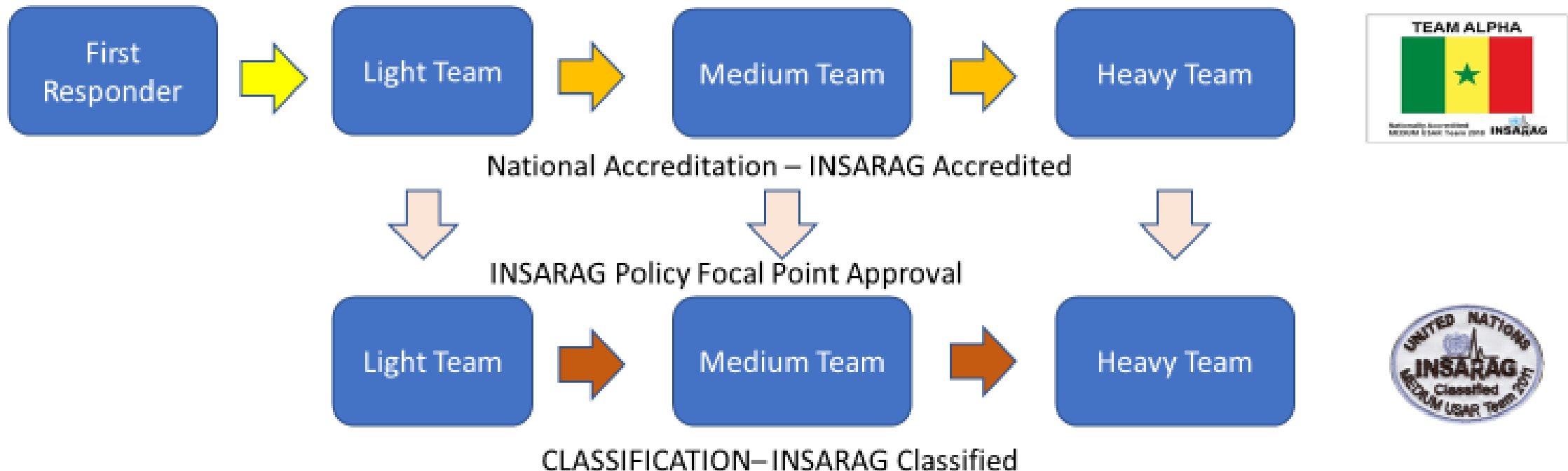


- Developed concept
- Identified level of technical capability
- Identified linkages between LTWG and NAP outcomes
- Developed 'Light USAR Team' classification methodology – Mentor and Classifiers
- Developed DRAFT IEC Checklist
- Reviewed INSARAG Guidelines, and developed DRAFT amendments
- Classified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

Classified Light Teams IEC System



- Integration flow chart for USAR development

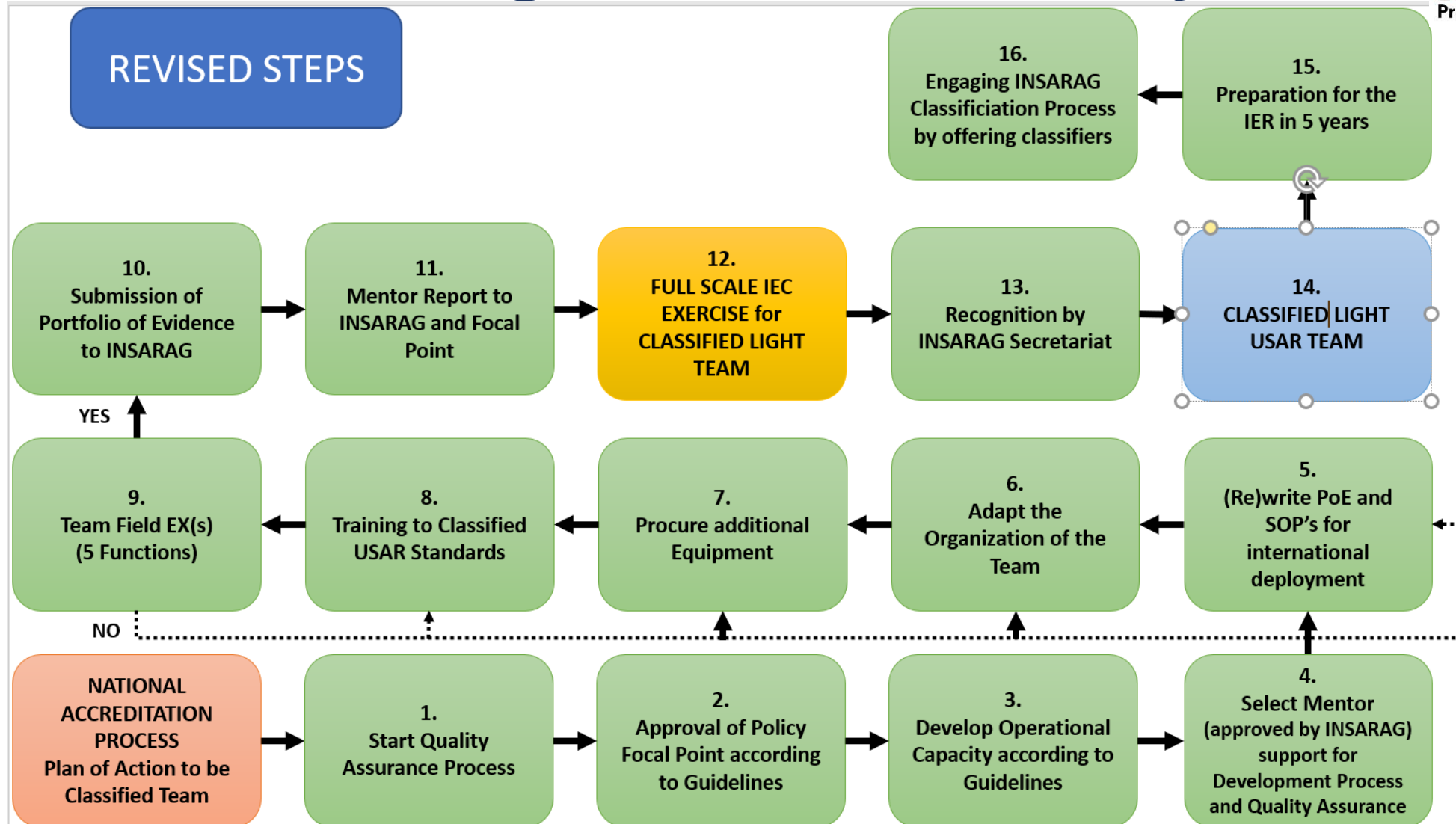


Light Team Classification



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

Classified Light Teams IEC System



Classified Light Teams Standards



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

Light Team Classification Checklist

DRAFT

13.3.1 Penetrate (200mm-of) reinforced concrete vertically overhead to avoid space.	Applies to Light, Medium and Heavy Teams.	150mm	200mm	200mm
13.3.2 Penetrate (200-mm-of) steel reinforced concrete laterally into a void space.		150mm	200mm	200mm
13.3.3 Penetrate (200-mm-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 18mm reinforcing rod Medium team: 300 mm with 12mm reinforcing rod	13.3.5 Cut a concrete column or beam. (Heavy team: 450mm Medium team: 300mm) The scenario should include these dimensions of a structural element and incorporated into the scenario.	not applicable	300 mm with 12mm reinforcing rod	450 mm with 18mm reinforcing rod
13.3.6 Cut solid timber (Heavy and Medium team: 300 mm) Note: to be seen as a wooden column or beam	Note: This should not be an isolated cutting demonstration.	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)	The plate needs to be incorporated into the construction and not 'free standing'.	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: 4mm; flange: 7.6 mm	Must be a structural element, e.g. I-beam, also known as H-beam, W-beam (for "wide flange"), Universal Beam (UB), Rolled Steel Joist (RSJ), or double-T - a beam with an I- or H-shaped cross-section.	not applicable	127 mm; width: 76 mm; web: 4mm; flange: 7.6 mm	260mm; width: 102 mm; web: 6.5 mm; flange: 10

Guidelines Review



- Volume II, Manual A: Capacity Building
- Volume II, Manual B: Operations
- Volume II, Manual C: IEC/R
- 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



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<http://www.unocha.org>



The International Search
and Rescue Advisory Group

<http://www.insarag.org/>

REVISED EXPLANATION

