



INSARAG Working Groups Update

Bucharest, Romania Wednesday 19 September 2018

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

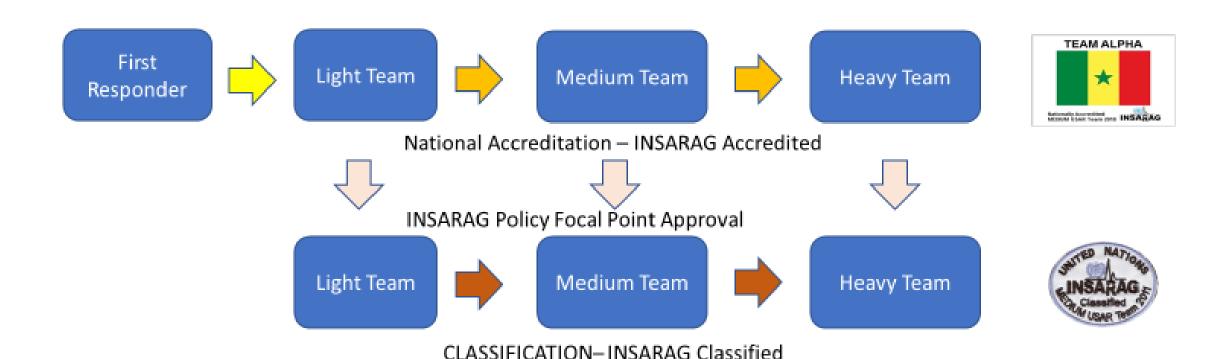


- Developed concept
- Identified level of technical capability
- Identified linkages between LTWG and NAP outcomes
- Developed 'Light USAR Team' classification methodology Mentor and Classifiers
- Developed DRAFT IEC Checklist
- Reviewed INSARAG Guidelines, and developed DRAFT amendments
- Classified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

Classified Light Teams IEC System

INSARAG Preparedness - Response

Integration flow chart for USAR development



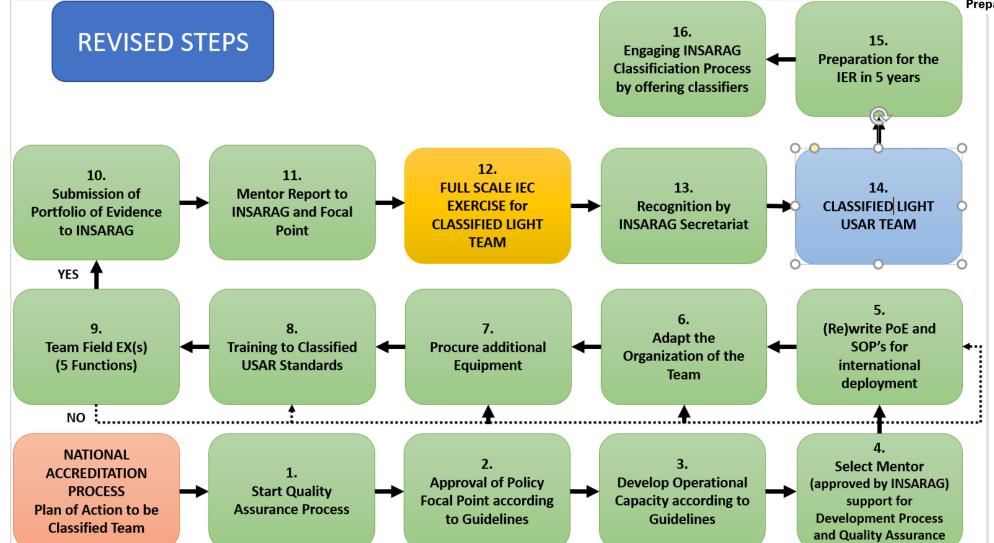
Light Team Classification



- 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 (O2, <u>CO,H</u> 2S, Flam) Ph/Alkalinity.		

Light Team Classification Checklist DRAFT



13.3.1 Penetrate (200mm of) reinforced concrete vertically overhead to avoid space.		150mm	200mm	200mm
13.3.2 Penetrate (200 mm of) steel reinforced concrete		150mm	200mm	200mm
laterally into a void space.	Applies to Light, Medium and Heavy Teams.			
13.3.3 Penetrate (200 mm of) steel reinforced concrete		150mm	200mm	200mm
vertically below to a void space using a "dirty" technique.				
13.3.4 Penetrate (200mm of) reinforced concrete vertically		not	200mm	200mm
below to a void space using a "clean" technique.		applicable		
13.3.5 Cut a steel reinforced concrete column or beam	13.3.5 Cut a concrete column or beam. (Heavy	not	300 mm	450 mm
Heavy team: 450 mm with 18mm reinforcing rod	team: 450mm	applicable	with 12mm	with
Medium team: 300 mm with 12mm reinforcing rod	Medium team: 300mm) The scenario should		reinforcing	18mm
	include these dimensions of a structural		rod	reinforcin
	element and incorporated into the scenario.			g rod
13.3.6 Cut solid timber				
(Heavy and Medium team: 300 mm)	Note: This should not be an isolated cutting			
Note: to be seen as a wooden column or beam	demonstration.	200mm	300mm	300mm
13.3.7 Cut metal Plate	The plate needs to be incorporated into the	3 mm	10 mm	20 mm
(Heavy team: 20 mm thick; 1M X 1M	construction and not 'free standing'.		thick; 0.7M	
Medium team: 10 mm thick; 0.7M X 0.7M)	construction and not nec standing.	X 0.7M	X 0.7M	X 1M
wedum team. 10 mm thick, 0.7W X 0.7Wn		X 0.7 WI	A 0.71VI	V TIVI
13.3.8 Cut Structural Steel	Must be a structural element, e.g. I-beam, also	not	127 mm;	260mm;
	known as H-beam, W-beam (for "wide flange"),	applicable	width:76	width:
Heavy Team: depth: 260mm; width: 102 mm; web: 6.5 mm;	Universal Beam (UB), Rolled Steel Joist (RSJ), or		mm; web:	102 mm;
flange: 10 mm	double-T - a beam with an I- or H-shaped cross-		4mm;	web: 6.5
-Medium team: depth: 127 mm; width:76 mm; web: 4mm;	section.		flange: 7.6	mm;
flange: 7.6 mm			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





The International Search and Rescue Advisory Group

http://www.insarag.org/

REVISED

Teams are expected report to a plan of action **EXPLANATION** to support the overall for reclassification in 5 system years. A certificate of classification will be Assessment of the full **Provide the Complete** provided. Team will be team in a field **Portfolio of Evidence Mentor Report to INSARAG INTERNATIONAL LIGHT** registered in INSARAG according to V2 Manual C and Focal Point exercise according to **USAR TEAM** directory. Team will be to INSARAG the checklist issued a badge for recognition in the field. YES Portfolio of Evidence (PoE) is **Check the operational** Define equipment gaps Define training gaps the administrative proof of Define functional gaps capability of the Team Optimize training Optimize logistics cache the quality of the process Optimize integration of based on 5 functions program for international for international **Standard Procedures are** functions needed for International deployment deployment assessed by the • Establish new team **Deployment in a USAR** Implement the new Establish equipment mentor according to structure Response as per the training program manifest Int'l LT Checklist **Guidelines** NO **INSARAG** recommends The teams are **building National USAR INTERNATIONAL LIGHT** representitive of their own Teams are advised to run Team has to inform Capability prior to **USAR TEAMs require this** country in international this process in a learning **INSARAG** and define its initiation of Int. Light USAR **Quality Assurance Process** deployments, therefore environment and select a own operational capability to be part of an National focal points has to mentor to successfully **Team Capability** in all 5 functions Highlight the responsibility international response approve the start of the complete the QA process of National Focal Point process

Translation of the advisory