



NDMA Projects (IT/Comn) under Implementation

First Regional Conclave on Disaster Management
(08 Mar 2022)



Projects under Implementation

- Common Alerting Protocol (CAP) based Integrated Alert System, समेकित चेतावनी तंत्र (सचेत)Phase I
- Extension Of Emergency Response Support System(ERSS) for Disaster Emergencies



Common Alerting Protocol (CAP) based Integrated Alert System समेकित चेतावनी तंत्र (सचेत) Phase I

The Integrated Alert system will empower SDMAs for automatic dissemination of Alerts generated by all Alert Generating Agencies to geo targeted population over multiple media in regional vernacular using CAP technology.

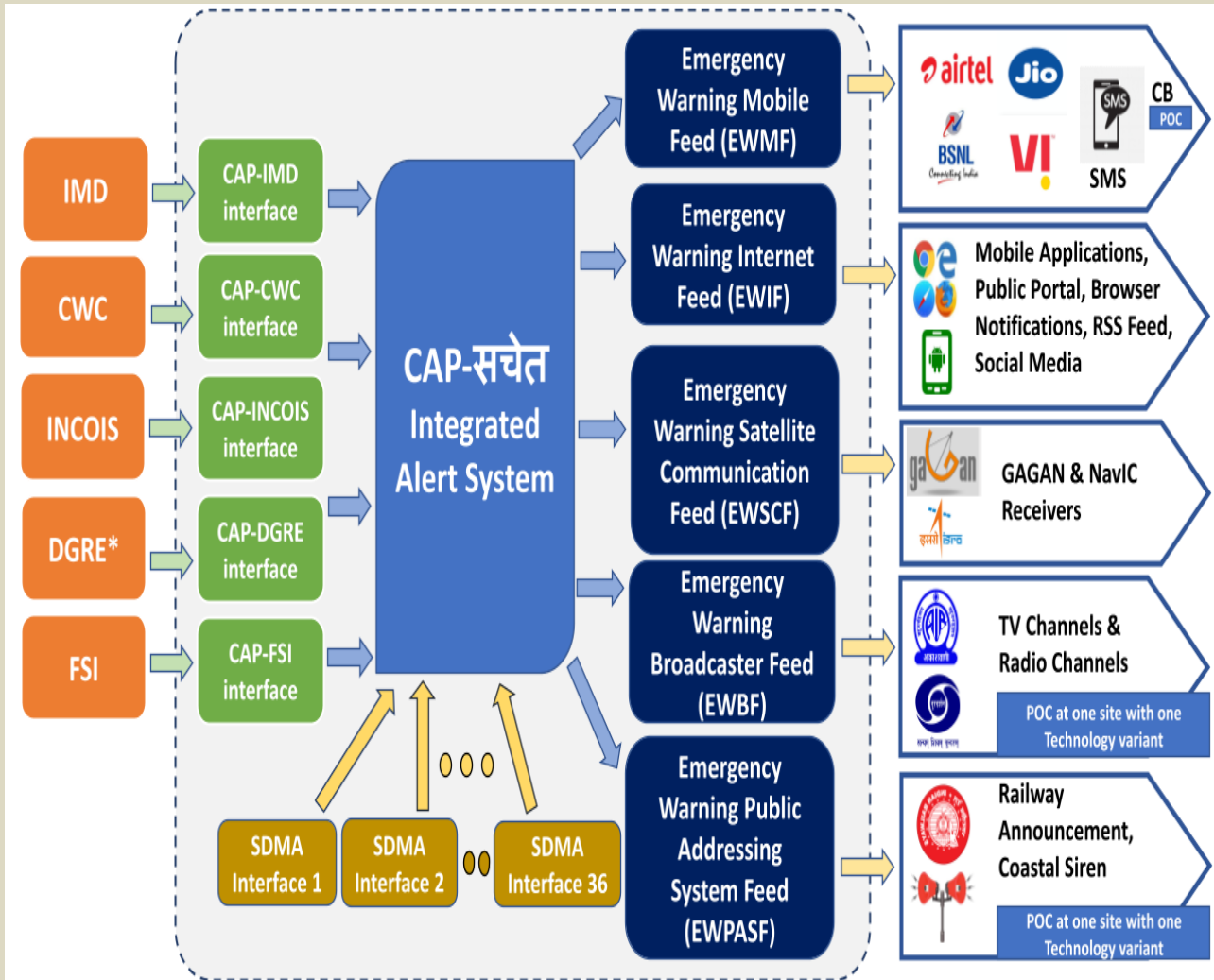


Common Alerting Protocol (CAP) based Integrated Alert System समेकित चेतावनी तंत्र (सचेत) (Phase I)

- **Cost of Project** - Rs 355 Cr sanctioned from the funding window under Preparedness and Capacity Building of National Disaster Response Fund (NDRF) on 4th March 2021.
- **Implementing Agency** - Supply order issued to C-DOT on 23 August 2021.
- **Duration of the Project** - To be implemented in 18 months.
- **Highlights of the Project** –
 - Integration of Alert Generating Agencies (IMD, CWC, INCOIS, DGRE and FSI) with Disaster managers (SDMAs), and Telecom service providers for dissemination of geo targeted alerts in regional vernacular by SMS in near real-time with least human intervention.
 - Integration with GAGAN & NavIC Satellite terminals for alert dissemination.
 - Proof of Concept for dissemination of Alerts by Cell Broadcast, Broadcast Media (Radio and TV), Public address at Railway stations and Coastal sirens.
 - Dissemination of Alerts on Social Media over mobile application, website, browser extensions and RSS feed.



Implementation of CAP in India



* SASE has been renamed as DGRE.



Common Alerting Protocol (CAP) based Integrated Alert System समेकित चेतावनी तंत्र (सचेत) (Phase I)

- **Impact-**

- Seamless web based integration of all Stakeholders for speedy notification, approval and dissemination of Alerts.
- Near real time dissemination of Alerts to citizens and responders thereby ensuring preparedness mitigating loss to life and property.
- Geo targeted Alerts in regional vernacular for speedy dissemination.
- Web based dashboard to Disaster managers for approving/editing alerts and choosing media for dissemination.
- Powerful GIS based Analytic tools for Disaster managers.



Extension Of Emergency Response Support System(ERSS) for Disaster Emergencies

The Project shall extend the ERSS system to cater for Disaster Emergencies.

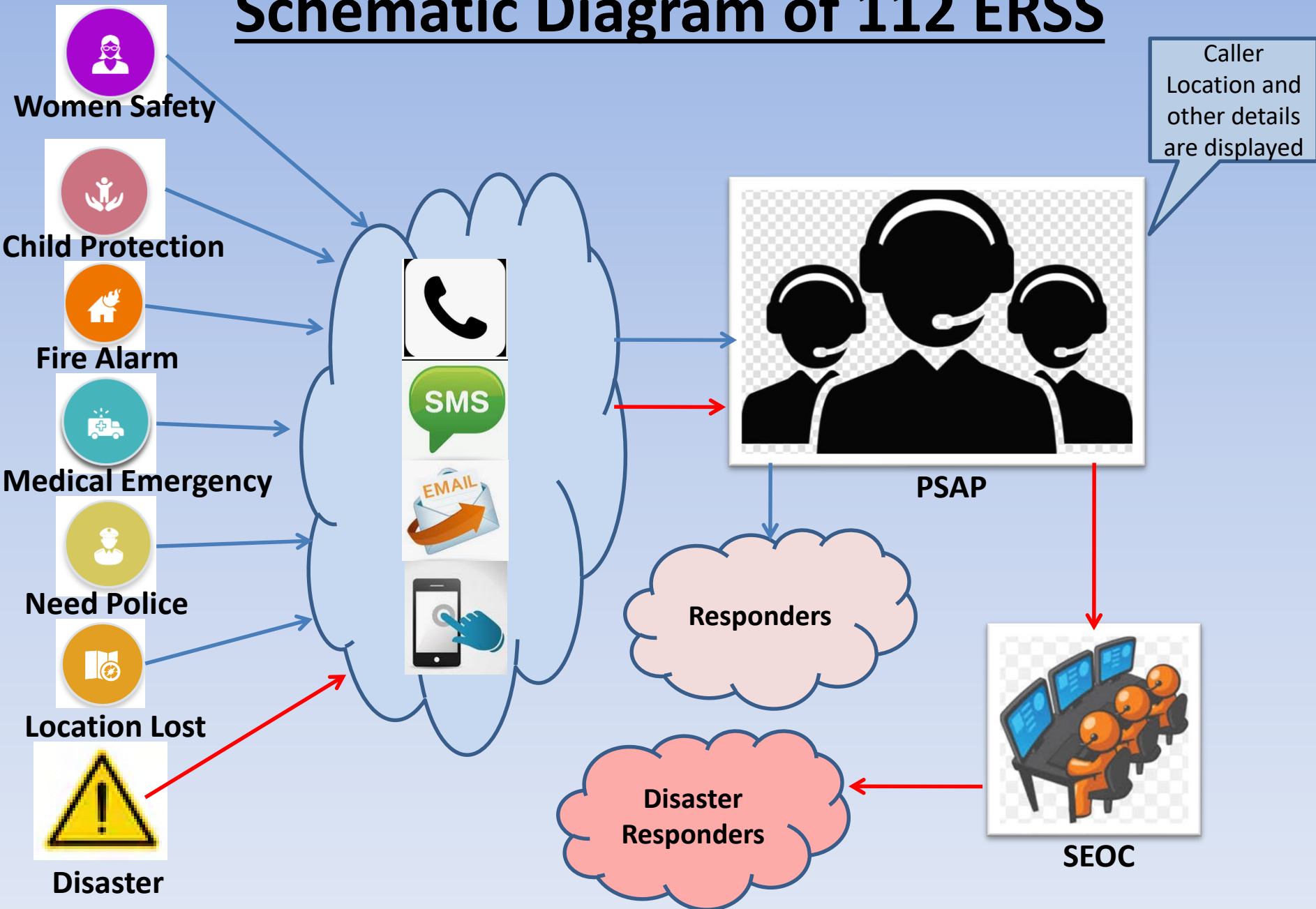
'Single Distress Number for all emergencies across the country'



Extension of ERSS (Dial 112) for Disaster Emergencies

- **Cost of Project** - Rs 42 Cr sanctioned from the funding window under Preparedness and Capacity Building of National Disaster Response Fund (NDRF) on 12th April 2021.
- **Implementing Agency** - Supply order issued to CDAC on 2nd August 2021.
- **Duration of the Project** - To be implemented in 18 months with sustenance for 3 years. Sustenance thereafter by State/UT.
- **Highlights of the Project** –
 - Extension of existing Dial 112 system established at PSAP/Police control room to SEOCs over hired leased lines.
 - Installation of Operator consoles with IP Phones and internet connectivity at SEOC.
 - Enhancement of existing Dial 112 solution to cater for Disaster Emergencies.
 - Provision of manpower to man additional consoles for three years.

Schematic Diagram of 112 ERSS





Deliverables to State/UT SDMAAs

- Equipment/Connectivity
 - Dual Screen PC with IP Phone - Qty 1/2 for SEOC.
 - Dual Screen PC with IP Phone for augmenting PSAP where necessary (Andhra Pradesh).
 - Mini data center for non CDAC States (Tamil Nadu)
 - Firewall - Qty 1.
 - 8 Mbps Internet Leased Line for a period of three years.
 - 2 MPLS Leased Line for a period of three years.
- Manpower
 - One Supervisor and three Operators per terminal for SEOC
 - Three Operators per terminal for PSAP.



Extension of ERSS (Dial 112) for Disaster Emergencies

- **Impact-**
 - Single number '112' for all emergencies across the nation will facilitate citizens in seeking assistance for all emergencies including Disaster related emergencies.
 - Seamless integration of PSAP/Police control room with SEOCs and Disaster responders.
 - Powerful GIS enabled tools to ensure faster response time and tracking of relief/assistance activities of responding agencies.
 - Powerful GIS based Analytic tools for Disaster managers.

Thank you