

THE FUTURE OPERATIONAL REQUIREMENTS



Rome, 22nd November 2012

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AGENDA

- **Present status**
- **Targets and goals**
 - National
 - International
- **Evaluation and intents (Phase-out and phase-in)**
- **The future**
- **Conclusion**



HELICOPTERS IN SERVICE* (2012)



HH-3F



HH-212



HH-139A

** Not including TH-500 (training helicopter)*

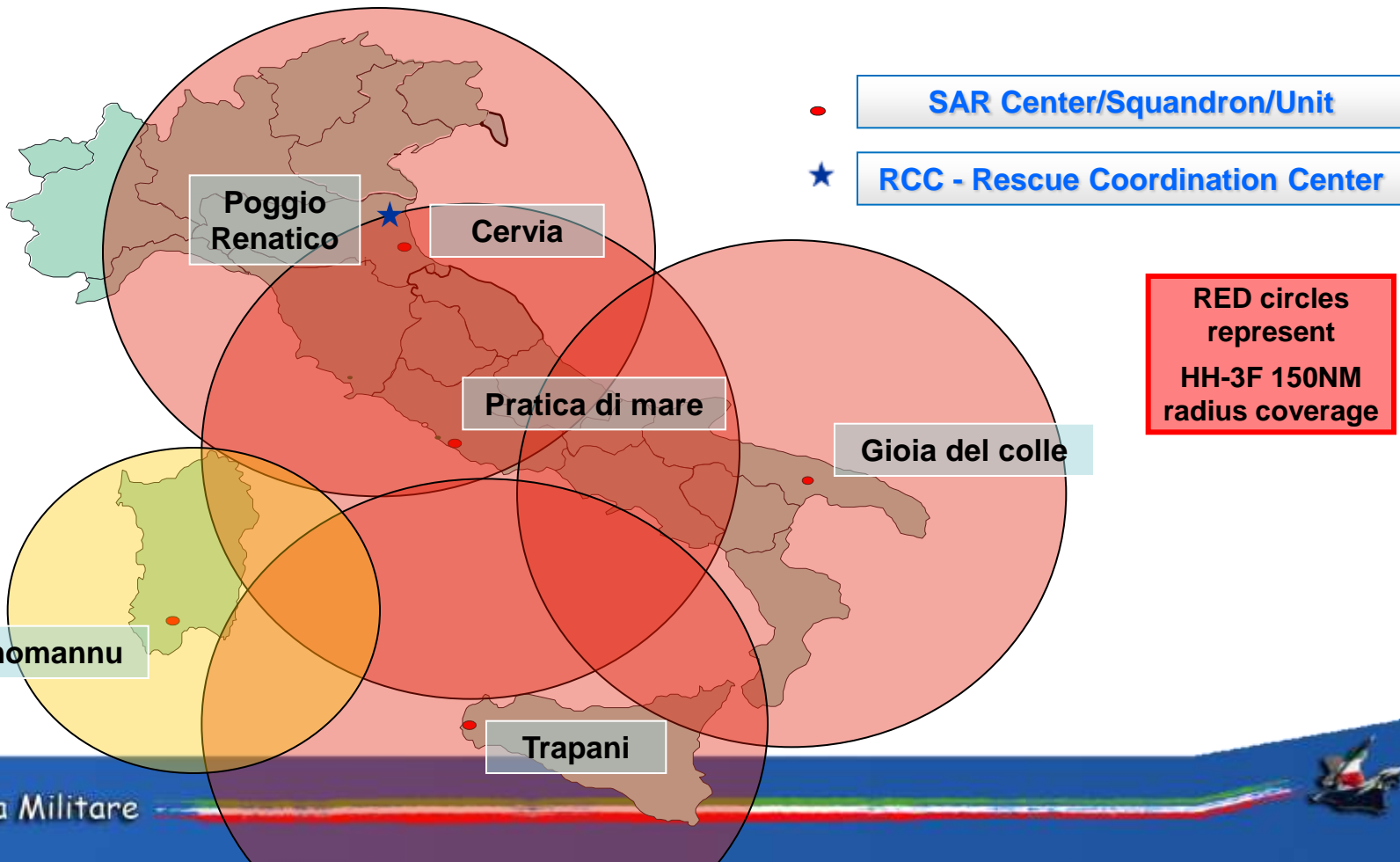


NATIONAL TARGETS & GOALS

- Ensure Search and Rescue (SAR) for military assets;
- Provide Personnel Recovery (PR): SAR, CSAR & CR to the Joint Force Air Component (JFAC), when activated;
- Air Support to Special Operations;
- Slow Mover Interceptor (SMI) within the air defense system;
- Concur to SAR operations in case of calamities.



HH-3F/HH-212 SAR COVERAGE



INTERNATIONAL TARGETS & GOALS

- Ensure Personnel Recovery (Deployable SAR, CSAR, Combat Recovery, Non-conventional Assisted Recovery);
- Air Support to Special Operations;
- Participate to Joint Special Operations Air Task Group (JSOATG);
- Slow Mover Interceptor (SMI).



ITAF OUT OF AREA OPERATIONS



EVALUATION & STRATEGIC PROCESS

- Ongoing HH-3F *phase-out*;
- Logistic issues for HH-3F maintenance beyond 2013;
- Scheduling HH-3F *phase-out* by the end of 2013;
- HH-139A as interim solution (limited to national SAR, NO expeditionary) – Gap Filler;

continues...



EVALUATION & STRATEGIC PROCESS

- To maintain CSAR/SAOS capacity on the 9th Wing in Grazzanise AFB (until entry into service HH-101);
- HH-101 “Caesar”, specifically for SAOS;
- AW-149 class for PR and expeditionary (postponed).



PHASE-OUT / PHASE IN

2013

2016

2020

2025

HH-3F

HH-212

HH-139A

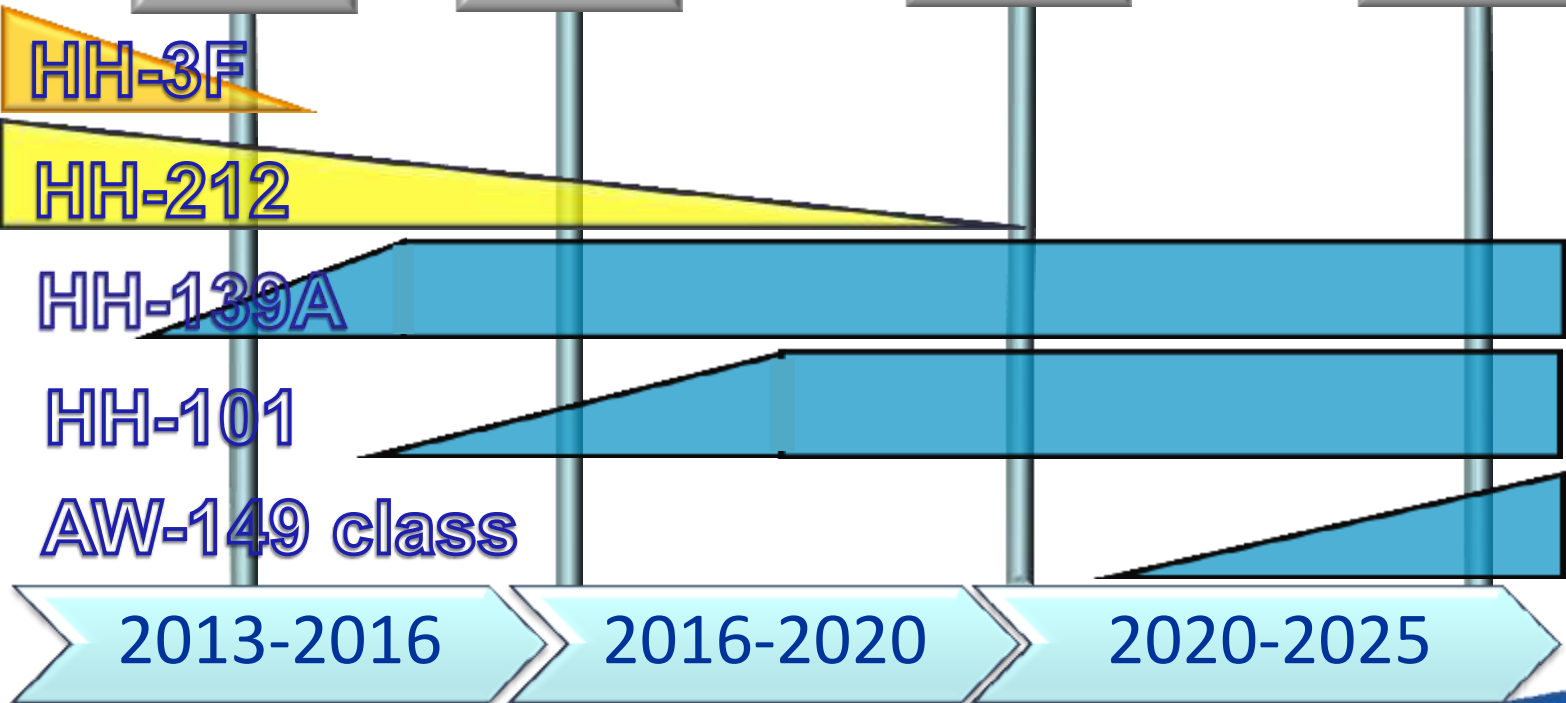
HH-101

AW-149 class

2013-2016

2016-2020

2020-2025



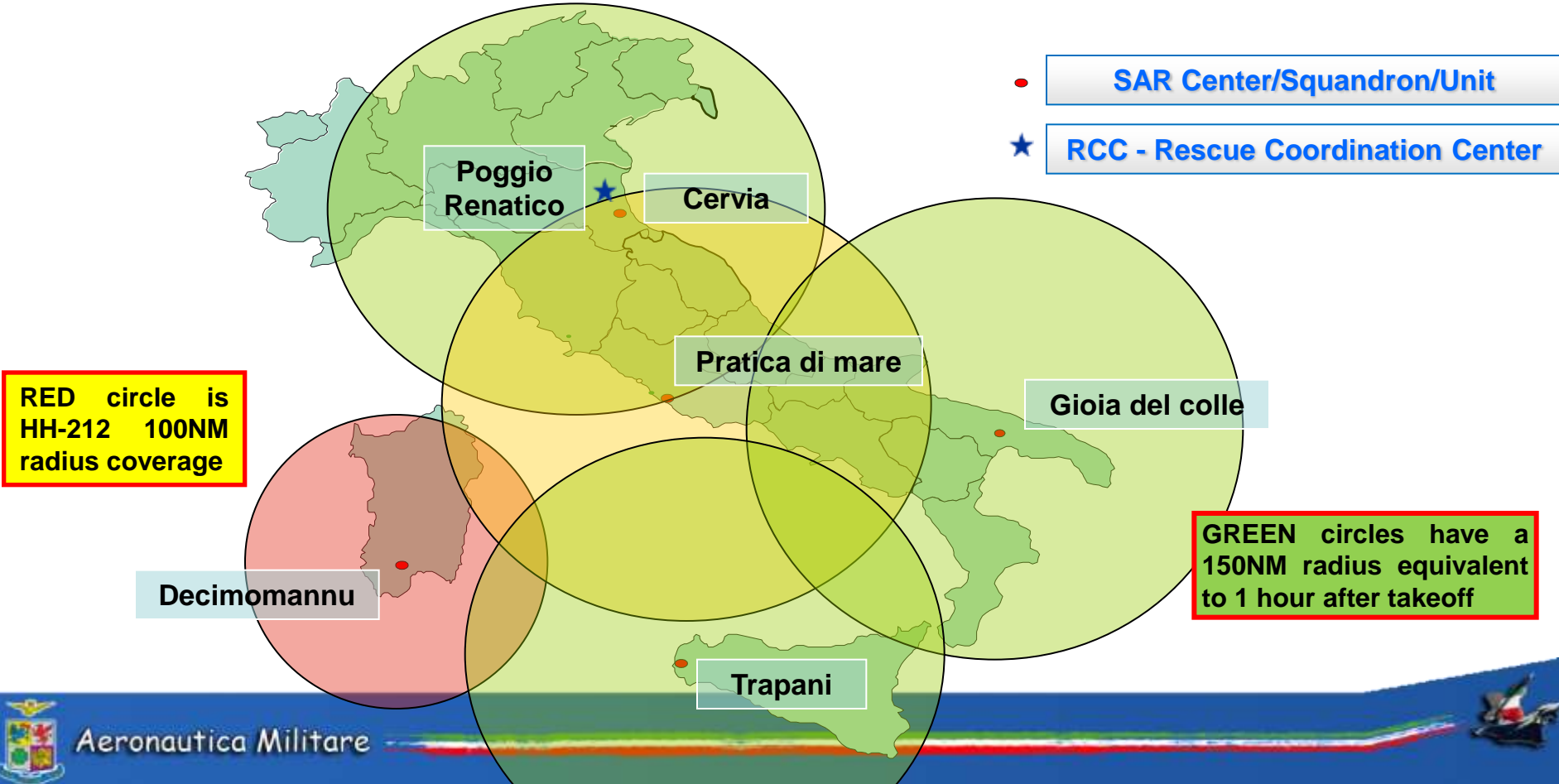
HELICOPTER BEDDOWN 2013



RELOCATION ONGOING PLAN



SAR COVERAGE 2015+





DESIRED REQUIREMENTS (for national purposes)

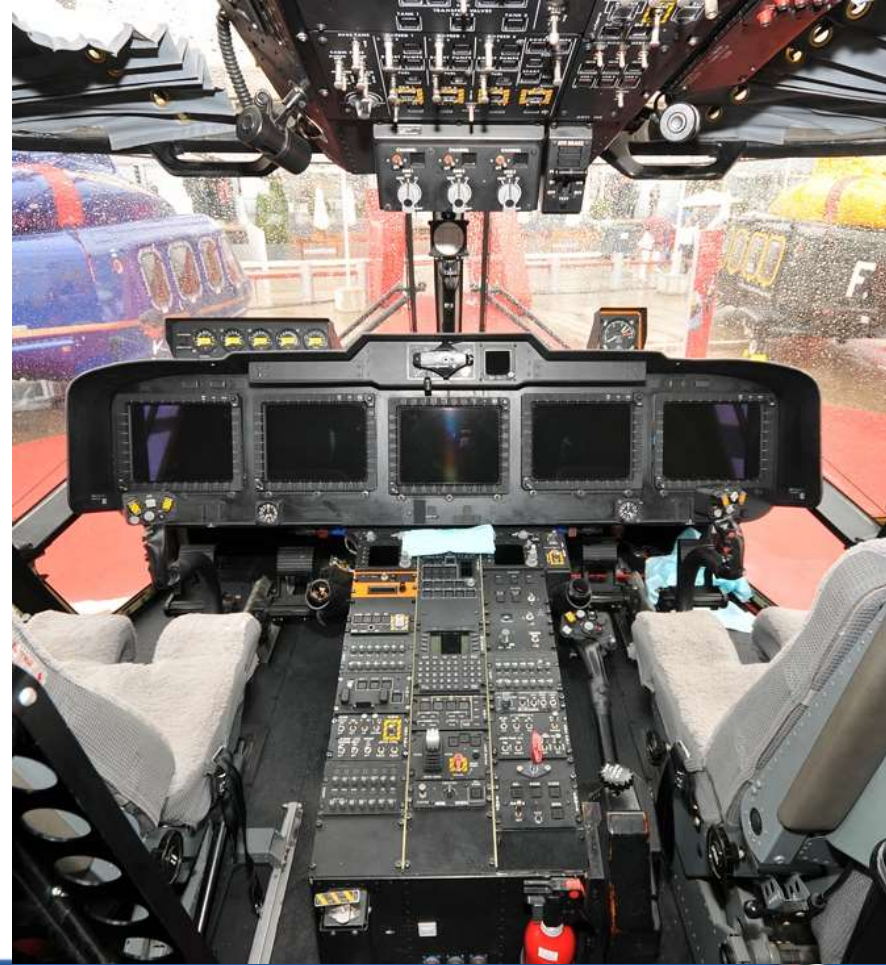
- Excellent flight performance in day/night and NVG operations;
- Radio and data-link capable;
- Capable to land over unprepared surfaces;

continues...



DESIRED REQUIREMENTS (for national purposes)

- Easy and quick reconfiguration:
SAR/Medevac/Transport
configurations;
- High efficiency.



DESIRED REQUISITES (for projection purposes)

- Optimized endurance, not compromising speed;
- Good maneuvering capabilities;
- High efficiency to provide good readiness;
- Good “Crash protection” and floating capabilities;

continues...



DESIRED REQUISITES (for projection purposes)

- Precise Navigation Equipment (Radar, GPS, standard NavAids) for day/night operations;
- Self & Armored protection;
- Head Up Display Monocular/NVG;
- Data-link capable implemented with VMF (Variable Message Format);

continues...



DESIRED REQUISITES ***(for projection purposes)***

- Capable to operate in sand/dust, snow and sea environment conditions;
- Good power output to operate in high PA (Pressure Altitude) conditions;
- SAR, CASEVAC & MEDEVAC capabilities;

continues...

DESIRED REQUISITES ***(for projection purposes)***

- Equipped for low level flight and self navigation (Obstacle clearance);
- AAR capabilities;
- Equipped of LVL (Low Visibility Landing), to avoid brown/white out;

continues...



DESIRED REQUISITES (for projection purposes)

- Capable to discriminate and identify friend or foe:
 - satellite/video/data link;
 - rover system to exploit images from UAV;
 - laser beam enquiry.
- Secure COMM equipment.



CONCLUSION



Endurance & Speed

Crash protection

Self protection

SAR & MEDEVAC

High efficiency

All environment Ops

HUD

Floating capability

AAR

DATA link (sat, video, etc.)

Maneuvering capability

Self Navigation

Secure COMM

Low Visibility Landing

Radar/ILS/VOR/TACAN



Question Time



Aeronautica Militare

