



Royal Netherlands Air Force



Future Met Support for NLD Defense

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What MET support does the Defense organization require in the (near) future?

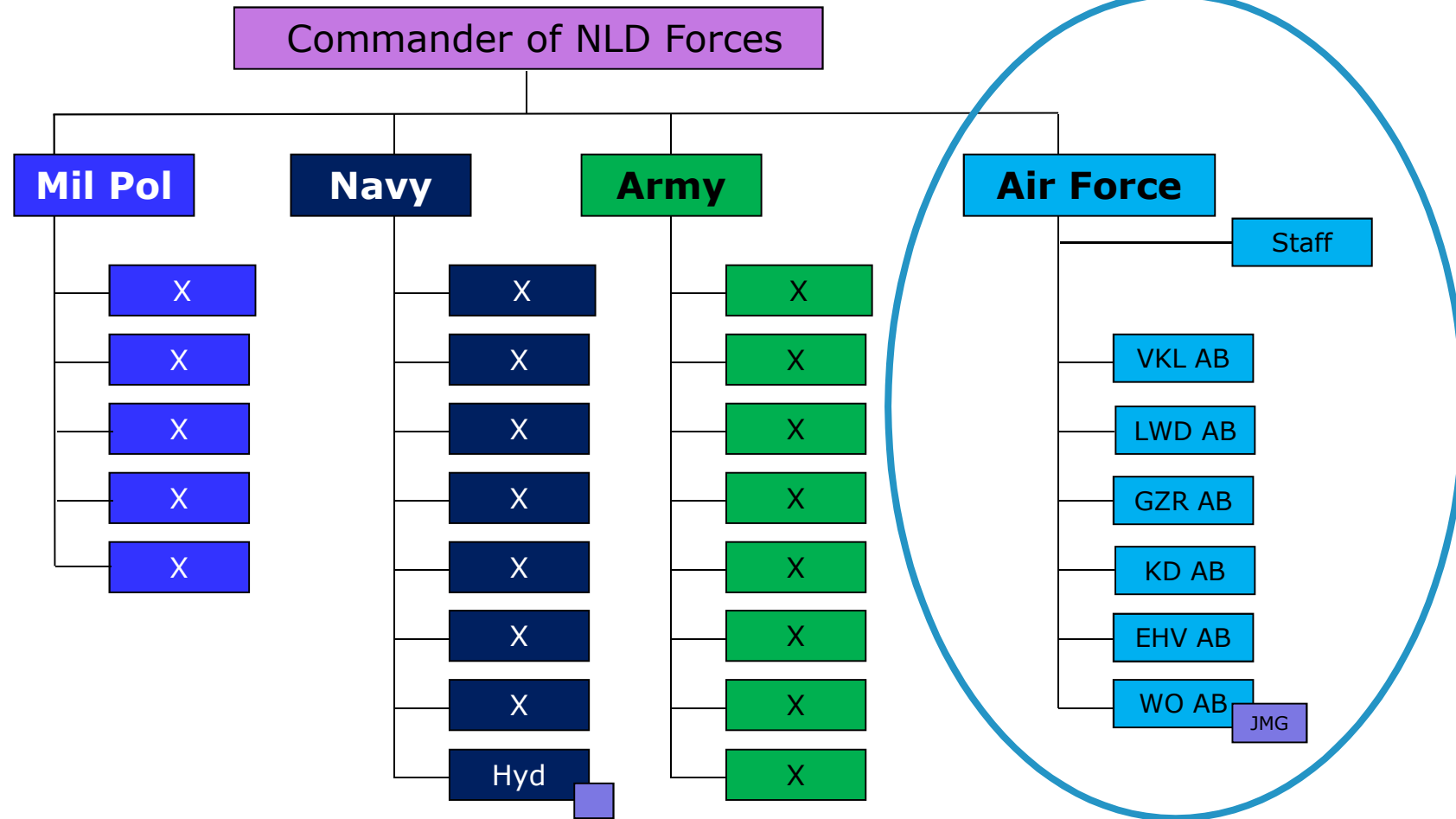
The answer is simple:

Perfect forecasts matching the operational and planning needs of commanders, communicated in the right time and in the right way

- *Current situation!*
- *How can we improve?*

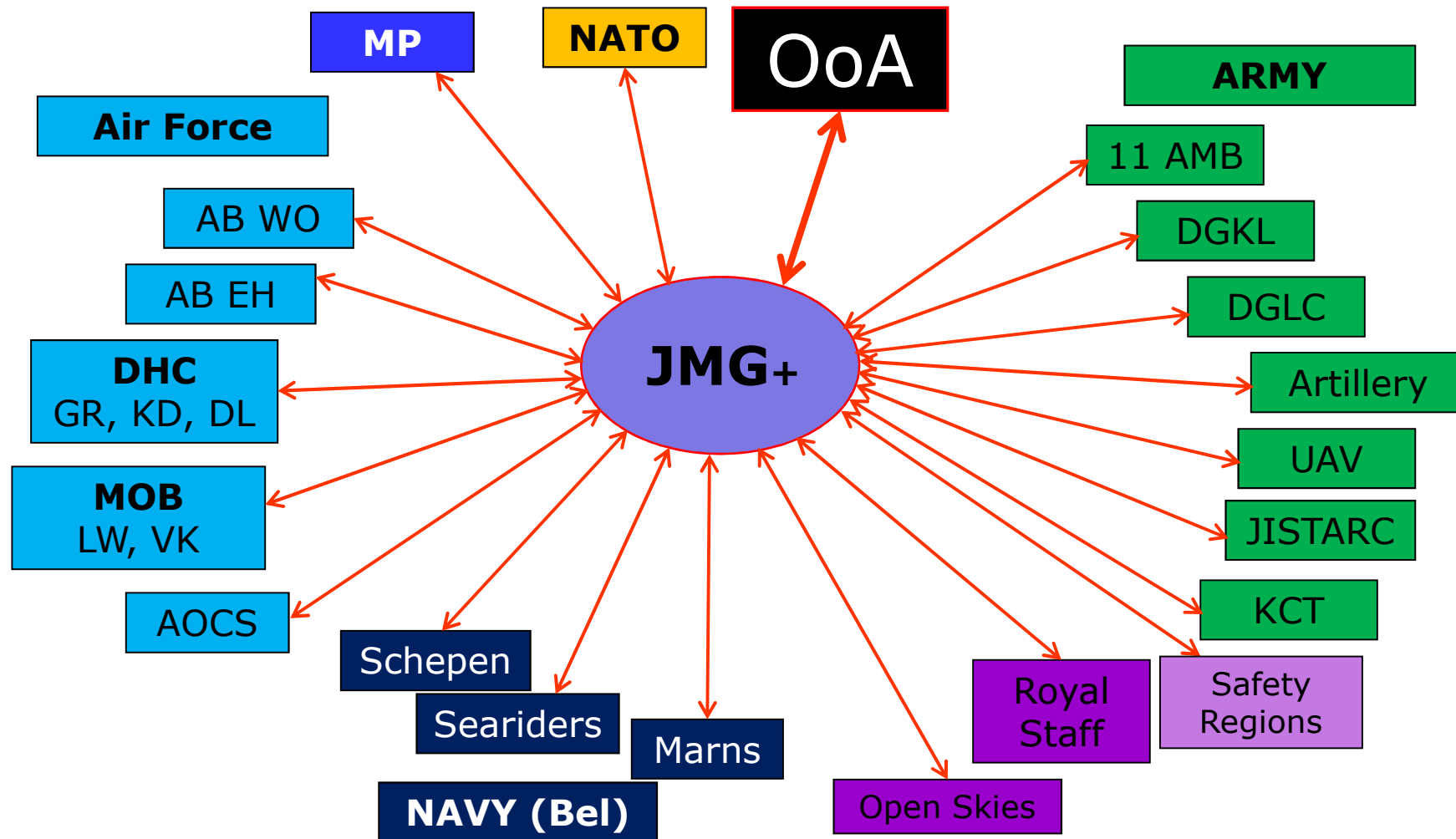


Who is providing?





Who is providing?





What is provided?

Air Force

- TAFs and Observations
- Short and long term
- Route forecasts
- SWC's
- NVG & FLIR products
- Warnings
 - General
 - Windchill
 - Heat Stress
 - Thunder
 - Etc

**Weapon system
supporting
and tailored to
the mission!!**

Charts



Development

Scenario
Forecasting
SpWX



What is provided?

NAVY

- Routing global
- Area Forecasts
- Climatology
- Hurricanes
- Special Forces

Charts
Season forecasts

Development

Scenario
Forecasting
SpWX

**Weapon system
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What is provided?

Army

- NBC-forecasts
- Artillery forecasts
- Mountain regions (SF)
- Climatology
- Various....

Development

Scenario
Forecasting

SpWX



**Weapon
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Current developments

- *Scenario forecasting*

- ✓ *Now able with use of EPS to build own clusters depending on area of interest*
- ✓ *Aim: being able to select area and parameters to generate clusters on the fly*

- *Space Weather Service*

- ✓ *Now getting familiar with SpWX as an organization (with KNMI)*
- ✓ *Aim: being able to forecast SpWX events*





How do we improve/what do we need?

- *Better tools to be able to provide for better (automated) tailored products*
 - ✓ *Own effort*
 - ✓ *NATO*
 - ✓ *KNMI*
 - ✓ *Other*
- *Better understanding of solar physics in order to be able to forecast solar activity*
 - ✓ *Academic world*
 - ✓ *KNMI*



How do we improve?

- *Better training of clients so that they can value improved (scenario/probability) forecasts*
 - ✓ *Otherwise improvement useless*
 - *clients run to simple apps*
 - *clients draw wrong conclusions*
 - ✓ *Forecaster will always remain necessary to guarantee proper tailoring and to bring complex forecasts to the 'smart buyer'*

