



**EASA**  
European Aviation Safety Agency

**EASA Annual Safety Conference**  
**Day 2, 15/10/2015**

## **Panel 7**

**Regulators in partnership with  
industry to maintain competence**

**Your safety is our mission.**

An agency of the European Union 



# EASA

European Aviation Safety Agency

Regulators in partnership with industry to maintain competence

 Moderator  
 Panellist

**Pekka  
Henttu**

**Benedetto  
Marasa**

**Gilbert  
Guicheney**

**Giancarlo  
Buono**

**Nathalie  
de Ziegler**

**Panel 7**

**Your safety is our mission.**

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## **Panel 7: Regulators in partnership with industry to maintain competence**

EASA Annual Safety Conference 2015  
Pekka Henttu

*Responsible traffic.  
Courage and co-operation*

# Regulators in partnership with industry to maintain competence

Sharing experience and maintaining competence between industry and authorities is seen as **one of the ways for the future in aviation.**







# Regulators in partnership with industry to maintain competence

The main elements of inspector competence

## Recruitment

- “Basic training”; ATCO, maintenance engineer, pilot, ...
- Experience

## Inspector training

- Initial
- Specific
- Recurrent





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## **Partnership - industry/regulator**

In what ways can the exchange of competence take place? What examples exist and how can we move even further ahead?

**Is it win-win?**

**Areas /subjects for partnership activities?**

**Methods of partnership training?**

**Other partnership activities than training?**

**Concrete examples?**

**Which are the benefits?**

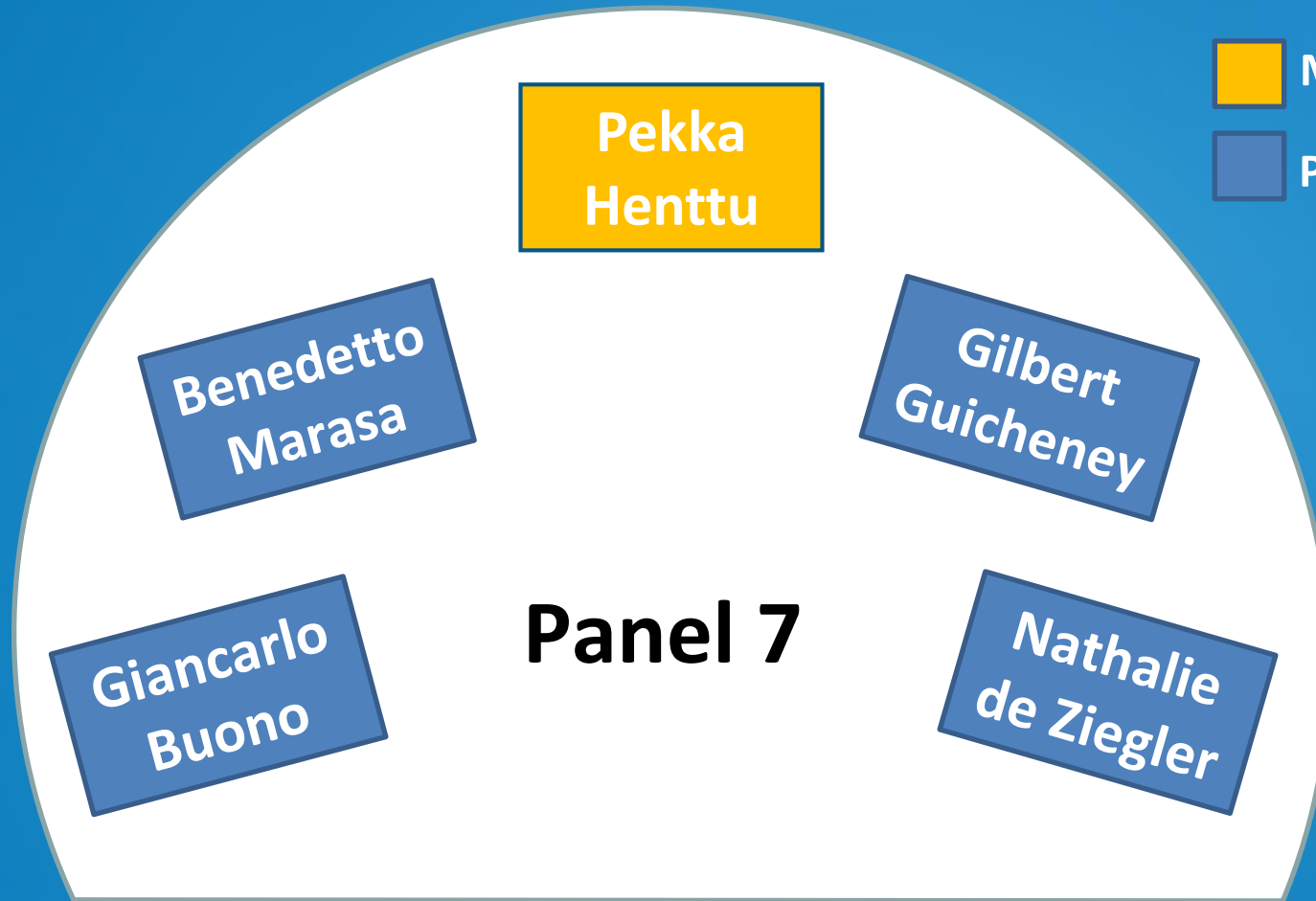


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# **Panel 7: Regulators in partnership with industry to maintain competence**

Giancarlo Buono, Regional Director Safety & Flight  
Operations, Europe

EASA Safety Conference, Luxembourg October 2015

# Safety as a cooperative effort

- New partnership approach between the Regulators and the Regulated
- Competence of TRE, TRI still an area of concern
- Competence of NAA inspectors
- Use of Industry Best Practices





# Training Industry Best Practices

- EBT Implementation Guide
- EBT Implementation Guide (Russian)
- Guidance Material and Best Practices for the Implementation of UPRT
- Guidance Material and Best Practices for Pilot Aptitude Testing
- FSTD Design and Performance Data Requirements
- Guidance Material and Best Practices for the Implementation of Competency-Based Training in Maintenance

# Evidence Base Training

- “Evidence” mainly with the Industry
- Availability and quality of data is fundamental
- Sharing of data/information and confidentiality

THANK YOU





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# **EASA Annual Safety Conference**

**Panel 7: Regulators in  
Partnership with industry to  
maintain competence**

**Benedetto Marasà**  
ENAC Deputy Director General

**Luxembourg, 15 October 2015**



## Regulators in Partnership with industry to maintain competence

- 
- A large commercial airplane, likely an Airbus A380, is shown from a low angle, flying over a layer of white clouds. The plane is white with blue accents on the nose and engines.
- Authority inspectors often perform initial and recurrent technical training at industry training centres ;
  - Since JAA times ENAC provided training courses and workshops with Italian Industry to ease understanding and implementation of european regulations;
  - This policy reduces costs and brings significant benefits to each partner;
  - ENAC courses/workshops for industry:
    - in 2014: 12 events – 839 attendees
    - in 2015: 14 events - 725 attendees.

# Regulators in Partnership with industry to maintain competence

New exigences of partnership for training:

- Safety Management
  - risk management training
  - safety performance training
  - better regulation
  - safety promotion / just culture.
- Remote Pilot Aircraft
  - applications
  - technology
  - operations
  - pilot training.
- Airport Emergency Planning and Crisis Management.
- Support to academic qualification in civil aviation careers (engineering, economic, giuridical).



# Regulators in Partnership with industry to maintain competence

A way forward:

- Disseminate information on training needs
- Share training resources;
- Avoid competition in providing training;
- Help developing countries;
- Increase cooperative initiatives.



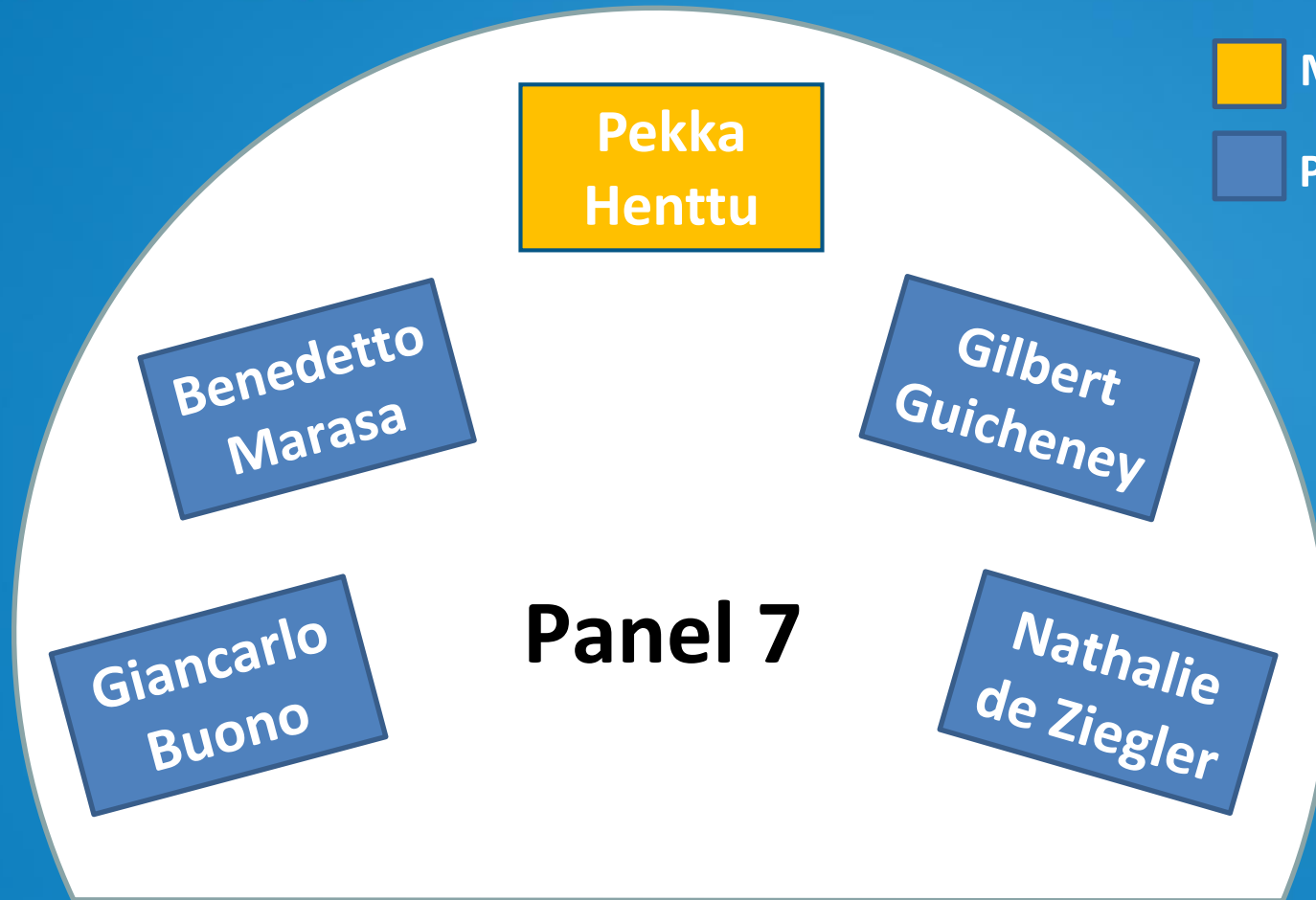


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# Regulators in partnership with industry to maintain competence

**Gilbert GUICHENEY**

Airworthiness and Operations Deputy Director  
DGAC/DSAC



DSAC

# Inspectors competence: paramount to aviation safety

- Inspectors competence is crucial to the credibility, added value and efficiency of the Authority
- It must be regularly updated along with changes to regulations, working methods and operations
- It requires a good practical knowledge of activities monitored (hence the need for cooperation with industry)



# Inspectors competence: some challenges in a European environment

- There is a need for harmonisation (common requirements such as ARX.GEN.200(a)(2), AMC and GM)...
- ... yet national specificities must be accounted for (cultural/organisational differences, characteristics of the industry, procedures and tools)
- How to objectively and effectively evaluate that competence is (and remains) adequate to the tasks performed / responsibilities discharged?
- How to facilitate the rapid acquisition of competence for new inspectors?

# Inspectors competence management at DGAC

- Our system relies on engineers and pilots (efficient coordination required)
- The majority of inspectors are civil servants, with an engineering degree in civil aviation (ENAC)
- Since 2012, a compliance monitoring inspector licence has been implemented
  - Qualification based on theoretical, practical and on-the-job training
  - Validity 2 years, recency and recurrent training criteria
- Most recurrent training activities are performed in partnership with the industry (recent example: FTL training)
- Regular workshops and seminars with industry

# Thank you



DSAC



Direction générale de l'Aviation civile

Ministère de l'Écologie, du Développement durable, et de l'Énergie



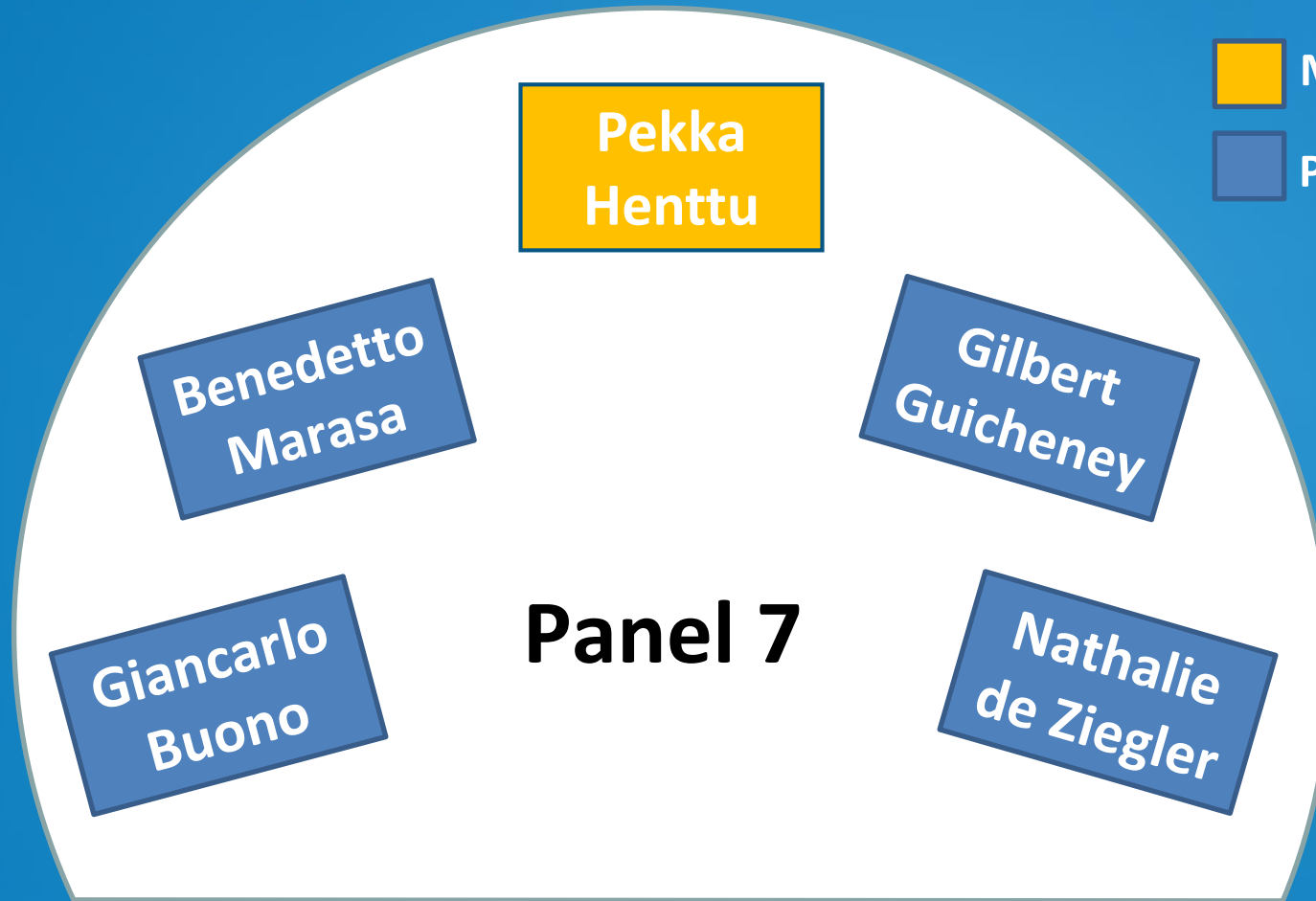


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# BEA

Bureau d'Enquêtes et d'Analyses  
pour la sécurité de l'aviation civile

Nathalie de Ziegler  
Air Operations advisor  
BEA

## REGULATORS IN PARTNERSHIP WITH INDUSTRY TO MAINTAIN COMPETENCE

Training in Aviation  
Staying fit for Safety  
EASA Luxembourg  
14-15 October 2015

## BEA ACTING AS PARTNER WITH INDUSTRY

### BEA BRINGS ADDED VALUE IF THE INDUSTRY

- ✓ READS BEA REPORTS
- ✓ CONNECTS WITH FACTS AND ANALYSES
- ✓ USES RECOMMENDATIONS IN TRAINING



IN ORDER TO ASSESS CREW PERFORMANCE  
USE A METHODOLOGY FAMILIAR TO ALL PARTIES

- ✓ SHARED
- ✓ OBJECTIVE (BEHAVIOURAL MARKERS)
- ✓ CONSISTENT
- ✓ SEAMLESS
  - TRAINING
  - CHECKING
  - INVESTIGATING

**COMMON REFERENCE : EBT ICAO doc 9995 in 2013**

✓ **COMPETENCIES**

✓ **TECHNICAL**

✓ **NON TECHNICAL**

**EBT COMPETENCIES USED BY**

✓ **MANUFACTURERS**

✓ **ATOs**

✓ **AIRLINES**

- ✓ BEA REPORT ON SERIOUS INCIDENT
- ✓ RUNWAY EXCURSION
- ✓ A321 SX-BHS HERMES AIRLINES
- ✓ Part 1.16 ASSESSEMENT OF CREW PERFORMANCE

<http://www.bea.aero/docspa/2013/sx-s130329.en/pdf/sx-s130329.en.pdf1.en.pdf>



Thank you for your attention

[www.bea.aero](http://www.bea.aero)



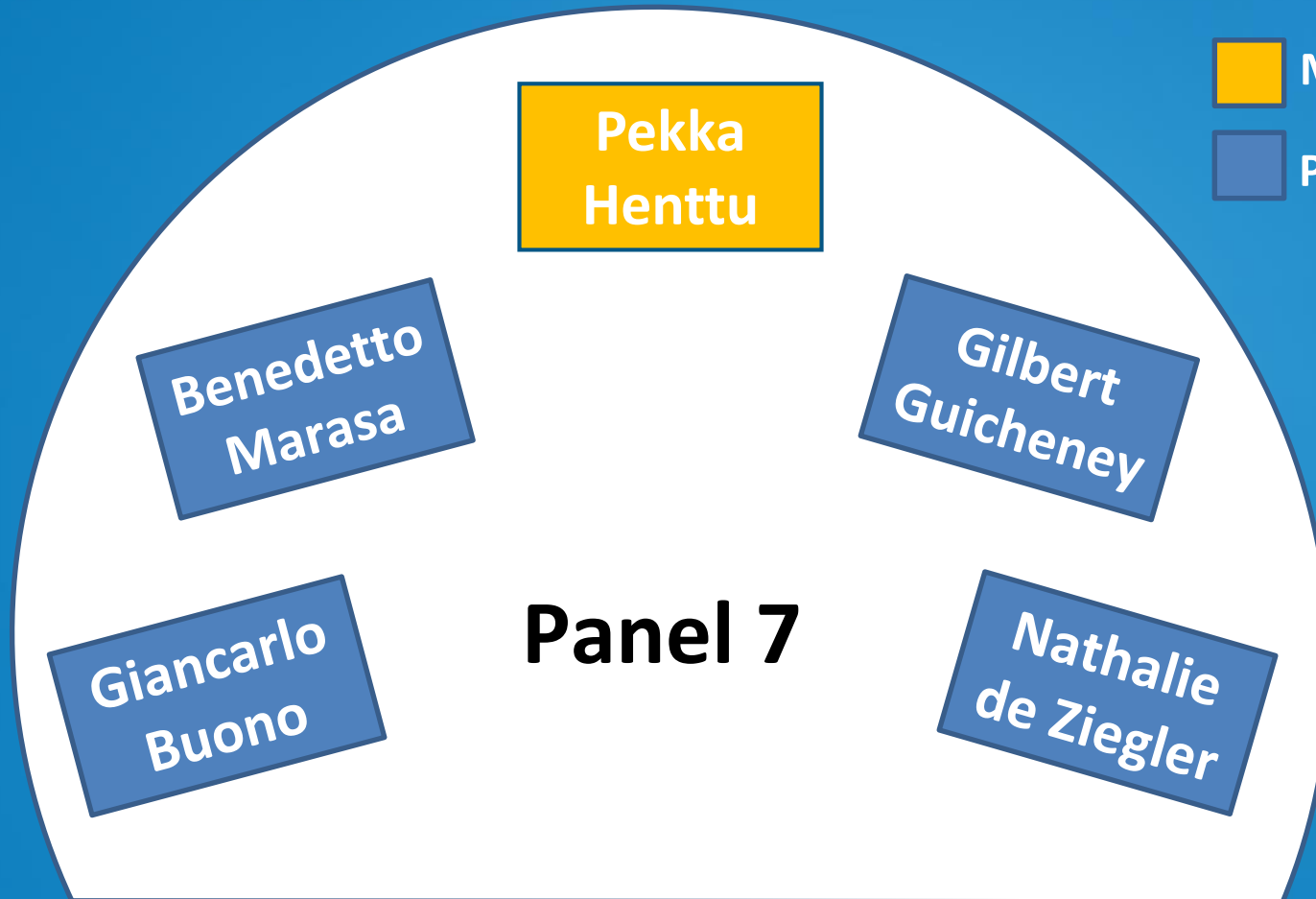


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