

#### **DANGEROUS GOODS PANEL (DGP)**

#### TWENTY-SEVENTH MEETING

Montréal, 16 to 20 September 2019

- Agenda Item 2: Managing air-specific safety risks and identifying anomalies
  - 2.2: Develop proposals, if necessary, for amendments to the *Technical Instructions for* the Safe Transport of Dangerous Goods by Air (Doc 9284) for incorporation in the 2021-2022 Edition
  - 2.3: Develop proposals, if necessary, for amendments to the Supplement to the Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284SU) for incorporation in the 2021-2022 Edition

#### FRENCH APPROACH OF CBT RELATED TO DANGEROUS GOODS

(Presented by P. Tatin)







DGP/27 Montreal – September 2019





Guide and Matrix in English

**CBTool** in English

Feedback from 3 Operators

Next step







**Guide and Matrix in English** 

**CBTool** in English

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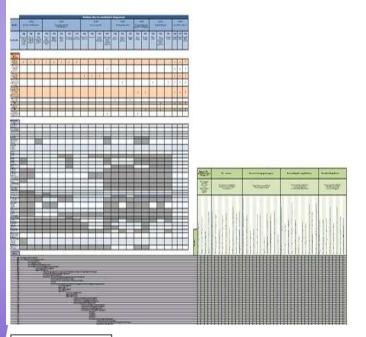


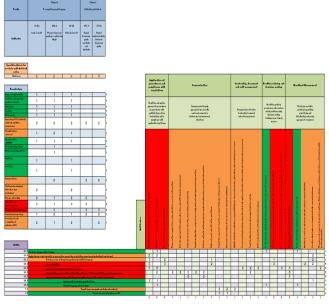


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#### Guide translated in English

- ➤ Guide presented in April which was in French has been translated
- The matrix has also been translated and the same "A to Z" example is included







#### Detect presence of dangerous goods not permitted in baggage

Adapted competency Description  Application of procedures and compliance with regulations	Description	Performance criteria		
		Observable behaviour	Competency assessment	
		Identifies where to find procedures and regulations	Subpart "regulations/procedures"	Questions in
		Complies with applicable regulations	Note≥80%	theoretical test
Communication		Asks relevant and effective questions	Ensure that questions related to the DG have been asked in case of a green tag procedure.	Workshop "simulation"
Problem solving and decision making		Identifies, assesses and manages risks and threats to safety effectively		
Workload Management	(223)	Verifies that tasks are completed to the expected outcome		

#### Interpret NOTOC

Adapted		Performance criteria		
competency		Observable behaviour	Competency assessment	
Application of procedures and	Identifies where to find procedures and regulations	Subpart "regulations/procedures"		
compliance with regulations		Complies with applicable regulations	Note≥80%	Questions in theoretical test
Communication	1922	Asks relevant and effective questions	Subpart "NOTOC" Note ≥ 80%	
Problem solving and decision making	***	Identifies, assesses and manages risks and threats to safety effectively		
Workload		Monitors, reviews and cross-checks actions conscientiously		
Management	200	Verifies that tasks are completed to the expected outcome		





Guide and Matrix in English

**CBTool in English** 

Feedback from 3 Operators

Next step

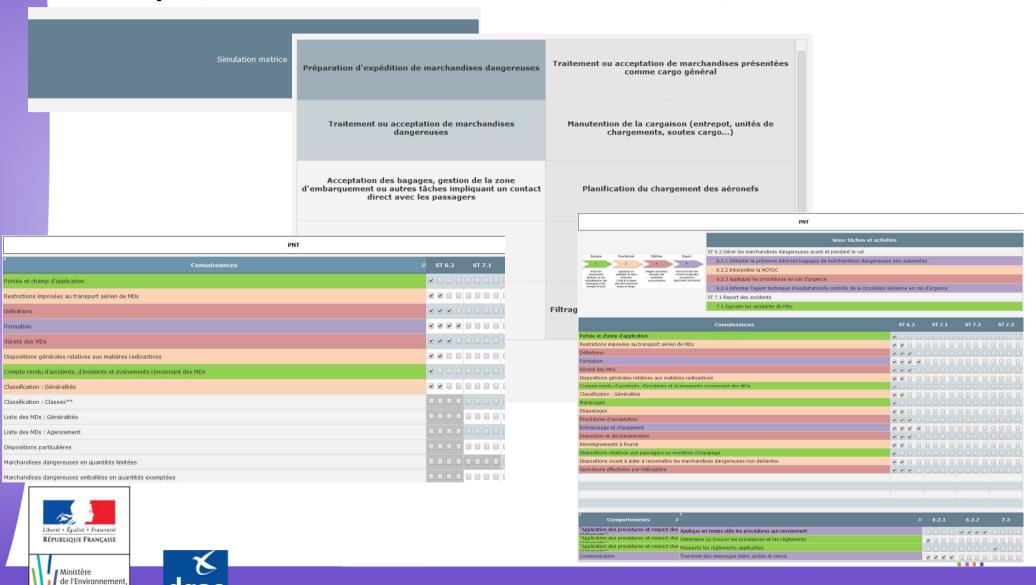






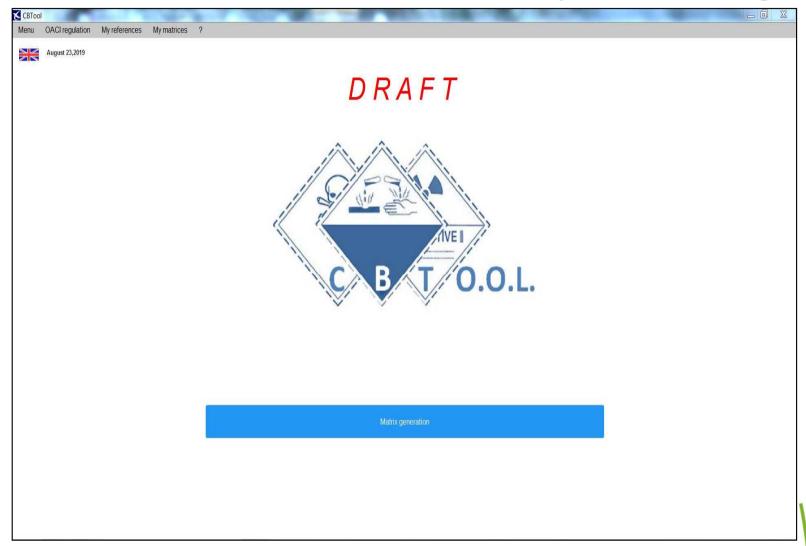
#### **CBTool** in English

#### Last April, demonstration of the beta version, but in French



de l'Énergie et de la Mer

**CBTool** in English

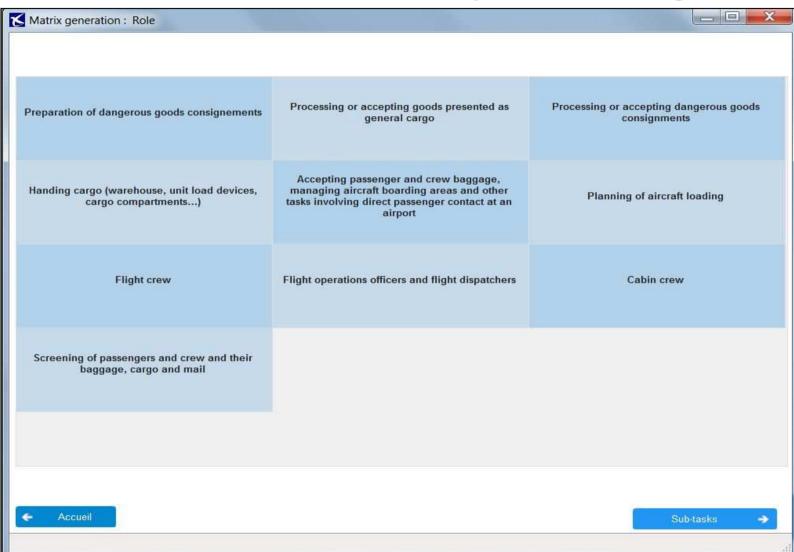






#### **CBTool** in English



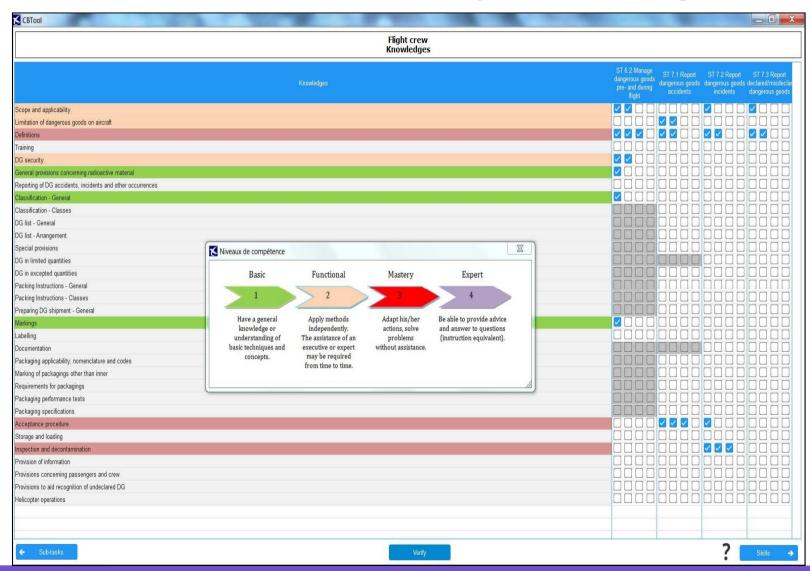






#### **CBTool** in English



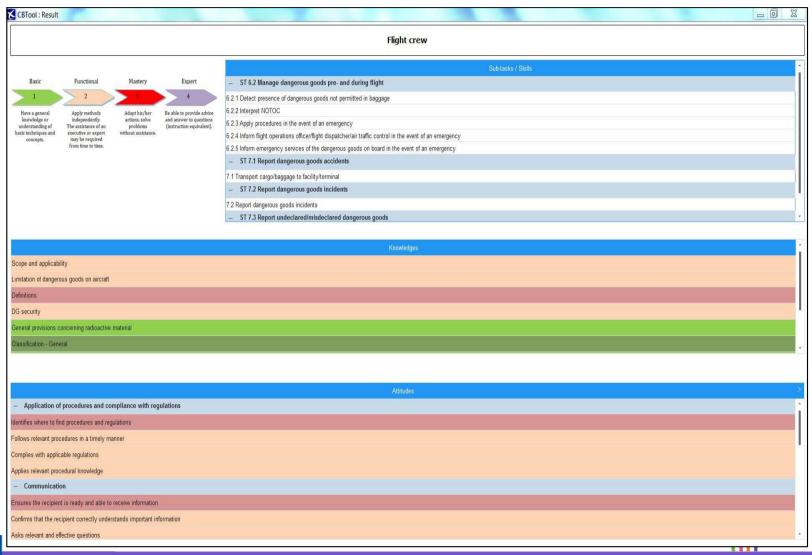






#### **CBTool** in English









#### **CBTool** in English

#### Today, demonstration of the beta version is possible in English



#### Detect presence of dangerous goods not permitted in baggage

Adapted Des	2000200	Performance criteria		
	Description	Observable behaviour	Competency assessment	
Application of procedures and compliance with regulations		Identifies where to find procedures and regulations	Subpart "regulations/procedures" Note ≥ 80%	Questions in theoretical test
		Complies with applicable regulations		
Communication	Sw	Asks relevant and effective questions	Ensure that questions related to the DG have been asked in case of a green tag procedure.	Workshop "simulation"
Problem solving and decision making		Identifies, assesses and manages risks and threats to safety effectively		
Workload Management	Şu	Verifies that tasks are completed to the expected outcome		

#### Interpret NOTOC

Adapted competency		Performance criteria		
	Description	Observable behaviour	Competency assessment	
Application of procedures and compliance with regulations	222	Identifies where to find procedures and regulations Complete with applicable regulations	Subpart "regulations/procedures" Note ≥ 80%	Questions in theoretical test
Communication	0.00	Asks relevant and effective questions	Subpart "NOTOC" Note ≥ 80%	
Problem solving and decision making	***	Educations assessment to safety with the say		
Workload Management	1996	Monitors, reviews and cross-checks actions conscientiously Verifies that tasks are completed to the expected outcome		





**CBTool** in English

# Training contents and criteria

Knowledge test -----

Subpart "regulations / procedures"

Plan courses and questions about:

- DG not declared in baggage,
- o NOTOC:
- Emergency procedures (including communication with the technical ground operations agent).

Criterion: Subpart note ≥ 80%

Subpart "NOTOC"

Plan exercise modification/correction of incorrect NOTOC

Criterion: Subpart note ≥ 80

Practical workshop -----

Plan a part with green tag procedure

Criterion: Ensures that DG questions have been answered

Flight simulator -----

Plan scenario of a fire in a cargo compartment with DG onboard.

Criteria:

NOTOC analysis + Use of emergency instructions Doc 9481

Applies emergency instructions Doc 9481

Transmits ATC:

- DG presence;
- proper shipping name;
- class/div:
- subsidiary risks;
- location

Demonstrates tranquility, organization and ability to remain in control of the situation.

Calm. clear and concise communication.

Listening carefully.

Executes instructions.





#### **CBTool** in English

#### Quick demonstration ...









Guide and Matrix in English

**CBTool** in English

**Feedback from Operators** 

Next step







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#### Feedback

- Guide and Excel Matrix has been sent to Operators and Training Organizations for feedbacks and comments
- We got some comments only on the guide, but none on the Matrix
- One operator has started to use the Matrix with a much more complex situation :
- → Multi-Function Flight Crew





dgac

# We are also very interesting in your feedback





Guide and Matrix in English

**CBTool** in English

Feedback from Operators

**Next step** 







Next step

- Finalization of the guide and CBTool for October

- Meeting with Operators and Training Organizations in November
- May be the first approvals for the beginning of 2020





Conclusion

# Thank you very much for your attention







