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AN-Conf/13

— ICAO Thirteenth —
Air Navigation Conference

ICAO Headquarters, Montréal, Canada
9-19 October 2018



#AirNavConf



Agenda Item 5.1 : Operations above Flight Level 600



Recommendation 5.1/1 — Operations above flight level 600

That States:

- a) with relevant experience in higher airspace operations, **share their experience** and expertise with other States and provide assistance to other States on the regulatory aspects of these operations;
- b) expected to benefit from higher airspace operations, agree to consider risk-based **operational trials** in their airspace;



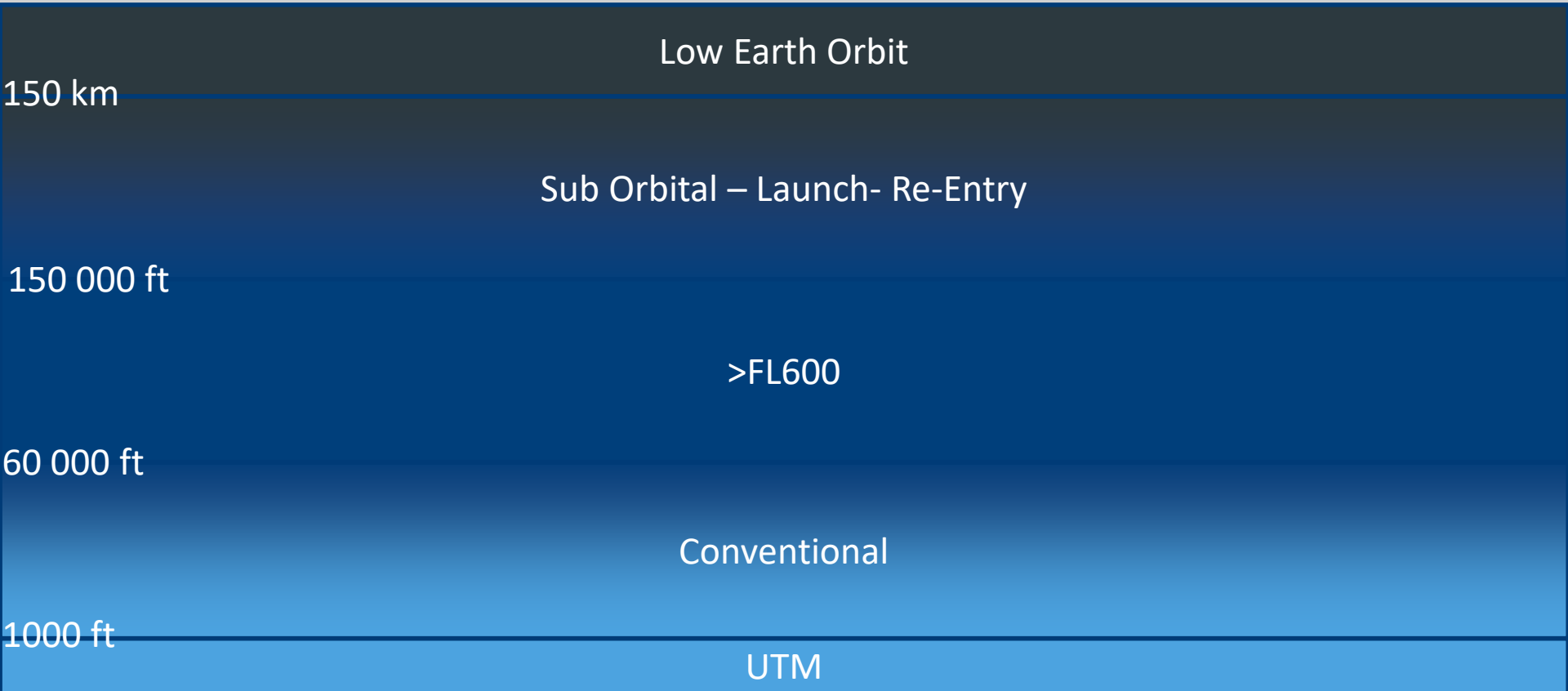
Recommendation 5.1/1 — Operations above flight level 600

That ICAO:

e) consider establishing a **multidisciplinary group** of ...;

f) develop a **performance-based global framework** for higher airspace operations considering current and future work in emerging technologies...; and

g) ensure that the framework includes **flights transitioning** through controlled airspace and to and through airspace above FL600, as necessary.





Challenges

- Technical challenges:
 - How to regulate new technologies
 - Meet legacy requirements but collect data - massive amounts - to help forge new techniques for approvals and control for further generations of new entrants
 - Safety approvals and the accommodation of social economic priorities
 - Airspace Fragmentation
- Non Technical challenges
 - Sovereignty
 - Other applicable laws (particularly space laws)



Opportunities

- Technical challenges:
 - No legacy aircraft (so no need to slow down or become heavy to accommodate least common performer)
 - Similarity with UTM
 - First adopters for new (not so new) ideas:
 - Trajectory Based Operations
 - FF-ICE
 - SWIM



Opportunities

- Launch sequence for ICAO work
 - States of design, manufacture, operations, and approvals will continue to collect experience
 - States will brief ICAO (probably the Air Navigation Commission) on their experience – specifically on how it can be used as a draft for a framework
 - ANC will task the work on the framework to a group (either new or existing)



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