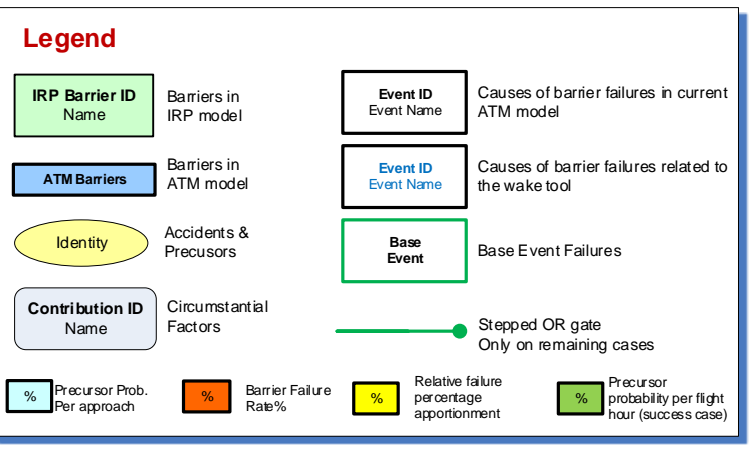
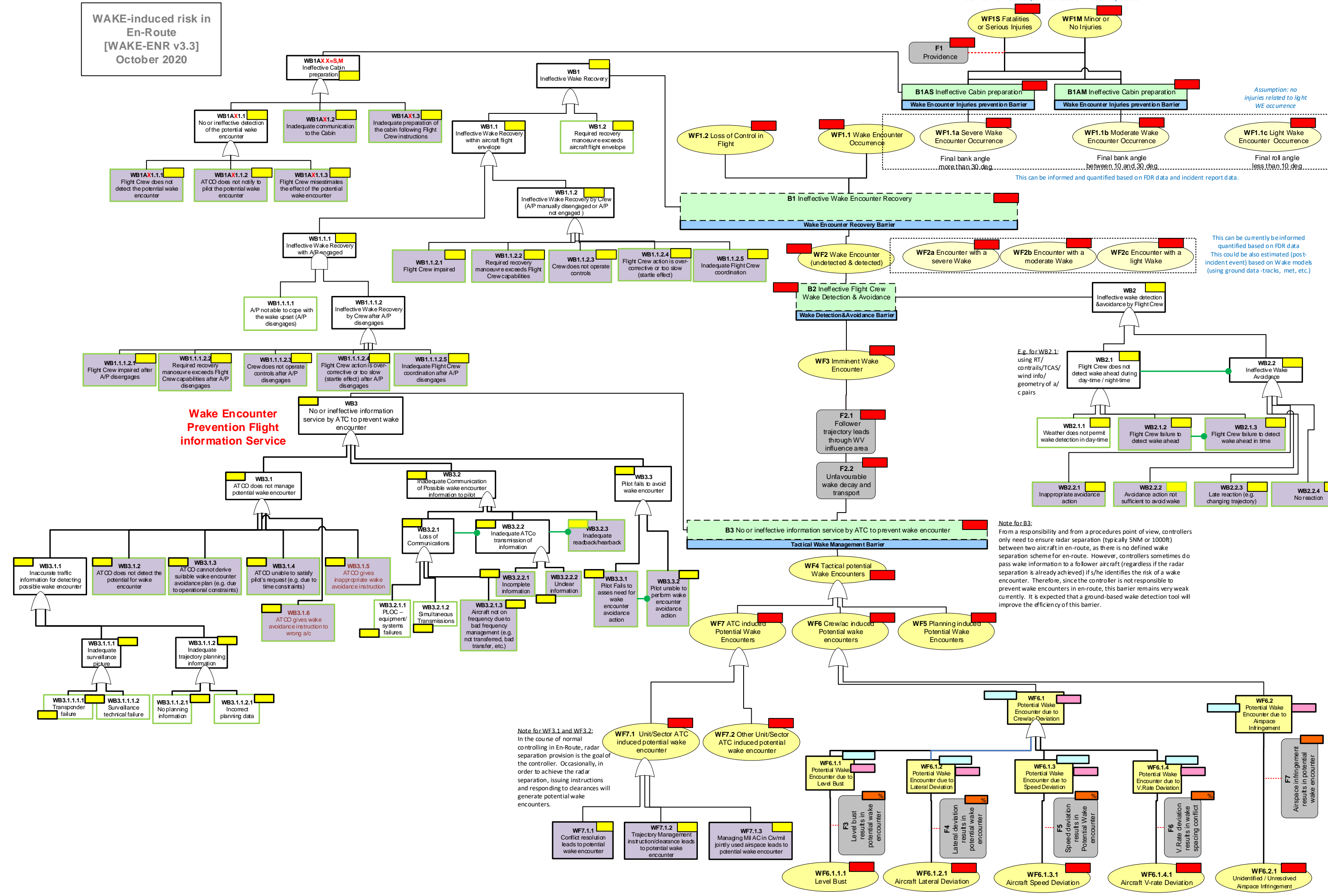


WAKE-induced risk in En-Route [WAKE-ENR v3.3] October 2020

Short name	Risk Model	Type of accident	Operational Environment / ATService provided	Systems /elements considered
WAKE-ER	Wake Induced Risk in En-Route	Wake induced accident for a follower aircraft due to encounter with wake vortex from a leader aircraft. It could happen between two IFR commercial aircraft.	- En-route airspace with a route structure (waypoints and routes) - Airspace class A,B,C - Service provided by ANSP: Air Traffic Control – ATC (ensuring radar separation between aircraft, usually 5NM/1000 feet as separation minima) - limited to the planning and tactical phases; pre-tactical phase not included (e.g. overloads).	In the aircraft: - Flight Crew - Navigation, Surveillance and Communication systems on board - Flying Rules procedures On the ANSP side to provide ATC: - Controllers (tactical and planner) - Monitoring Aids systems (to detect deviations), Conflict Alert systems, Surveillance and Communication systems, Flight Planning system - Operational procedures to ensure traffic management and separation as per separation minima



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