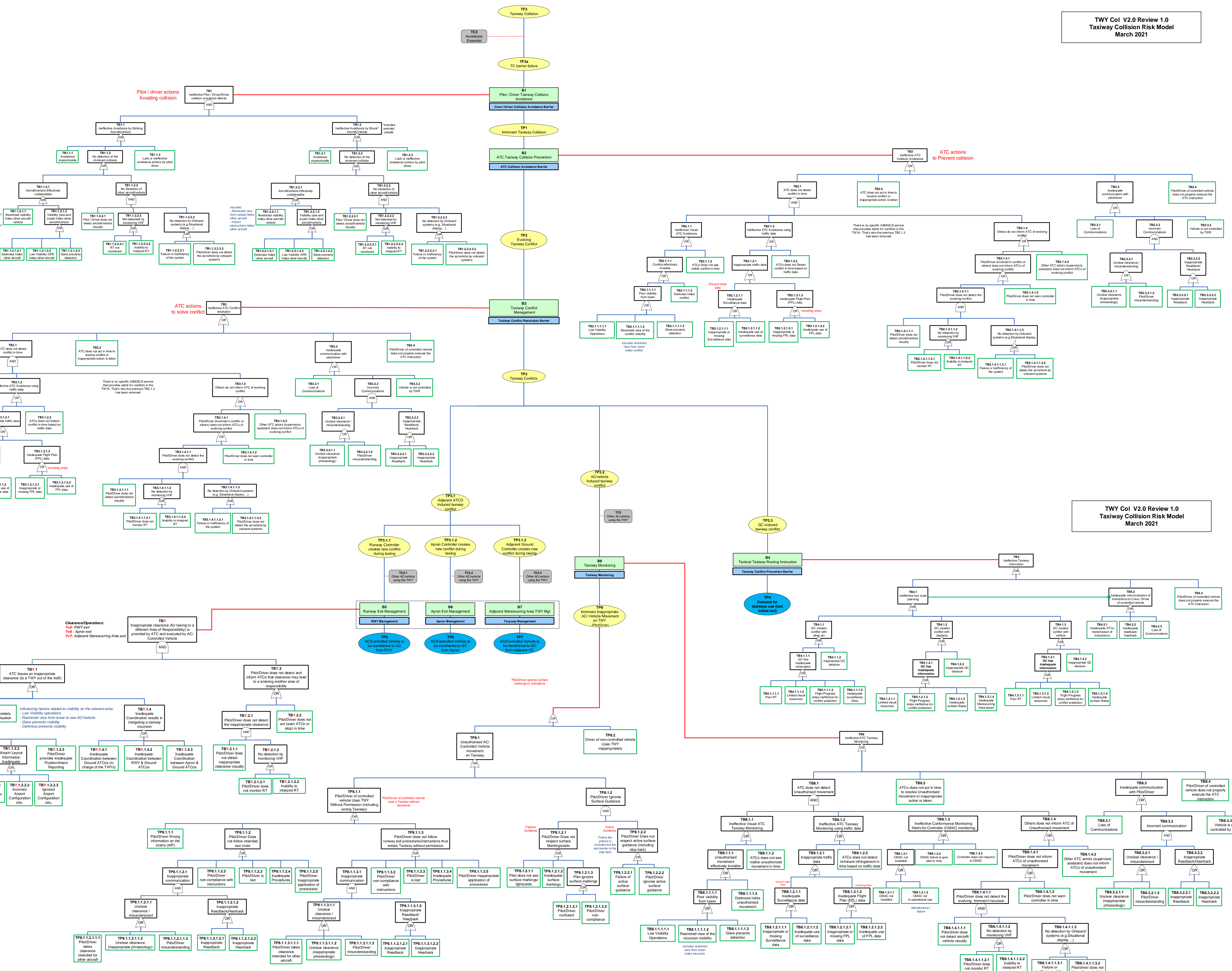
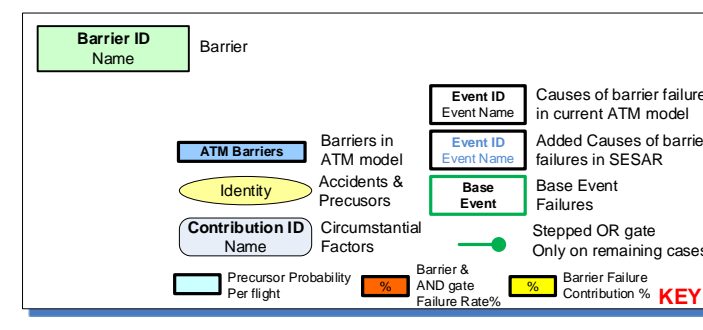


Short name	Risk Model	Type of accident	Operational Environment / ATService provided	Systems / elements considered
TWY Col	Taxiway Collision	Collision between: - two aircraft OR - an aircraft and a ground vehicle	- Occurrence happening in the manoeuvring area of an airport excluding the runway area. Apron area is excluded as well. - Service provided by ANSP: Ground Control service (preventing collision between aircraft and ground vehicles) - Two types of vehicles are considered: * Vehicles allowed to use the manoeuvring area with a specific clearance from the ground controller, they follow procedures (called Un-controlled vehicles) * Vehicles needing clearances/instructions from the Ground Controller to use and navigate in the manoeuvring area (called Controller vehicles)	In the aircraft: - Flight Crew - Navigation, Surveillance and Communication systems on board - Airport related procedures  On the service provided side to provide Ground Control: - Ground Controller - Surveillance (A-SMGCS) and Communication systems, Flight Planning system. - Operational procedures to ensure traffic management in a safe way  In the Vehicles: - Drivers - Navigation, surveillance and communication systems on board - Airport related procedures  On the taxiways/airport: - Surface Marking and lights with respect to taxiway location, identification and access



**TWY Col V2.0 Review 0.3  
Taxiway Collision Risk Model  
February 2021**

