

GNSS Outages

Source	Purpose		Owner-Experience / Status
1. Man-Made	1.1 Malicious	1.1.1 Crime	1.1.1.1 Intentional: Target (Crime)
		1.1.2 Warfare	1.1.1.2 Intentional: Collateral (Crime)
		1.1.3 Terrorism	1.1.2.1 Intentional: Target (Warfare)
			1.1.2.2 Intentional: Collateral (Warfare)
			1.1.3.1 Intentional: Target (Terrorism)
			1.1.3.2 Intentional: Collateral (Terrorism)
	1.2 Misguided	1.2.1 Privacy	1.2.1.1 Intentional: Target (Privacy)
		1.2.2 Hacker	1.2.1.2 Intentional: Collateral (Privacy)
			1.2.2.1 Intentional: Target (Hacker)
		1.2.2.2 Intentional: Collateral (Hacker)	
1.3 Mistake	1.3.1 Human Error	1.3.1.1 Unintentional: Human: Procedure	
	1.3.2 Technical Failure	1.3.2.1 Unintentional: Engineering (GNSS System)	
		1.3.2.2 Unintentional: Engineering (GNSS UE)	
		1.3.2.3 Unintentional: Engineering (Other System)	
		1.3.2.3 Unintentional: Engineering (Other UE)	
2. Natural	2.1 Surface Env't	2.1.1 Built	2.1.1.1 Unintentional: Operational (Built)
		2.1.2 Natural	2.1.2.1 Unintentional: Operational (Terrain)
	2.2 Atmos Env't	2.2.1 Ionosphere	2.2.1.1 Unintentional: Operational (Periodic scintillation)
			2.2.1.2 Unintentional: Operational (Periodic solar activity)
			2.2.1.3 Unintentional: Operational (Catastrophic solar storms)
		2.2.2 Pollution	2.2.2.1 Unintentional: Operational (Pollution)