

**SKILLS FRAMEWORK FOR AIR TRANSPORT
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Flight Operations					
TSC	Flight Watching and Flight Following					
TSC Description	Monitor conditions which may affect the planned completion of flights and propose actions to prevent disruptions to flights					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		ATP-FLO-2003-1.1	ATP-FLO-3003-1.1	ATP-FLO-4003-1.1		
		Monitor real-time flight positions and conditions to ensure flight completion	Adjust flight positions and assess conditions by reviewing aircraft and environmental data and its impact on flight completion	Review new technologies to enhance flight watching and flight following capabilities for the organisation		
Knowledge		<ul style="list-style-type: none"> • Notices to Airmen (NOTAMs) purposes and procedures • Usage of satellite monitoring equipment • Characteristics of weather systems, reporting procedures and recording systems • Meteorological data • Real-time aircraft data • Flight planning and navigation for all weather conditions • Communication protocols and Standard Operating Procedures (SOPs) of airlines pertaining to irregular flight operations • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Meteorological Service for International Air Navigation 	<ul style="list-style-type: none"> • Notices to Airmen (NOTAMs) purposes and procedures • Usage of satellite monitoring equipment • Characteristics of weather systems, reporting procedures and recording systems • Meteorological data • Real-time aircraft data • Common causes of Air Traffic Control (ATC) delays • Human factors in flight operations • Flight planning and navigation for all weather conditions • Communication protocols and Standard Operating Procedures (SOPs) of airlines pertaining to irregular flight operations • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for 	<ul style="list-style-type: none"> • Interpretation of Notices to Airmen (NOTAMs) • New developments and technologies in flight watching and tracking • Characteristics of weather systems, reporting procedures and recording systems • Human factors in flight operations • Cost impact analysis • Communication protocols and Standard Operating Procedures (SOPs) of airlines pertaining to irregular flight operations • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Meteorological Service for International Air Navigation 		

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			Meteorological Service for International Air Navigation			
Abilities		<ul style="list-style-type: none"> • Check flight positions at appropriate intervals using satellite monitoring equipment • Monitor flight conditions using meteorological data • Communicate special ground handling requirements for incoming aircraft to ground handling agents and/or station managers at destination airports 	<ul style="list-style-type: none"> • Review flight data to determine flight movements and positions • Determine impact of environmental conditions on flight paths based on meteorological data • Communicate revised flight status to airlines, airport agencies and/or authorities • Relay messages and maintain communication with pilots during flights 	<ul style="list-style-type: none"> • Determine feasibility of integrating new technologies to enhance flight watching and flight following systems for the organisation • Enhance features of flight watching and flight following systems • Calculate cost impact of implementing new technologies and/or enhancing current systems • Convey business rationales for the implementation of new technologies and enhancements 		