## 1 OSOs

Table for SORA operational safety objectives compliance:

Table 1: Operational Safety Objectives Compliance

			SAIL VI		
	OSO number	Technical issues with the UAS	required level	Method of compliance	
OSO#1	Ensure the UAS ope	Ensure the UAS operator is competent and/or proven	н	The airport authority as an operator will ensure compliance	
OSO#2	UAS manufactured b	manufactured by competent and/or proven entity	Н	The drone will be manufactured, tested and certified by the competent authority	1
OSO#3	UAS maintained by	maintained by competent and/or proven entity	Н	The airport authority and Lorenz technology will ensure the optimum maintenance of the drone	
OSO#4	UAS developed to a	developed to authority recognised design standards	Н	This will be ensured that the drone comply with required design standards	
98O#2	UAS is designed cor	is designed considering system safety and reliability	Н	The features and drone operation will be designed and developed keeping in mind the safety aspects	
9#OSO	C3 link performance	C3 link performance is appropriate for the operation	Н	C3 Link performance is appropriate for this operation	
2#0SO	Inspection of the UAS (produconsistency with the ConOps	Inspection of the UAS (product inspection) to ensure consistency with the ConOps	Н	The drone operator will ensure inspection of UAS	
8#OSO	Operational procedures are defined, validated and adhered to	res are defined, ed to	Н	The workflow and operational procedures will be developed and provided to the operator	
6#OSO	Remote crew trained and current and able to control the abnormal situation	ote crew trained and current and io control the abnormal situation	Н	Training to the remote crew will be provided to enable safe operation of the drone	
OSO#10	Safe recovery from a	recovery from a technical issue	Н	The drone has features to recover in case of technical failures	
Deterioration o	of external systems su	Deterioration of external systems supporting UAS operations			

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OSO#11	Procedures are in-place to handle the deterioration of external systems supporting UAS operations	Н	External System include the Ground control station and RC controller.  The drone will automatically land in case of malfunction of external systems
OSO#12	The UAS is designed to manage the deterioration of external systems supporting UAS operations	Н	This is builtin in the flight controller
OSO#13	External services supporting UAS operations are adequate for the operation	Н	External services are adequate for the operation
Human Error	ror		
OSO#14	Operational procedures are defined, validated and adhered to	н	Adherence to operational procedures will be ensured by the operator
OSO#15	Remote crew trained and current and able to control the abnormal situation	Н	Crew will be trained to operate the drone and handle abnormal situations
OSO#16	Multi-crew coordination	Н	Not required in this operational scenario
OSO#17	Remote crew is fit to operate	Н	This will be ensured by the drone operator
OSO#18	Automatic protection of the flight envelope from human error	Н	This will be ensured by the pilot in-charge of operating the drone
OSO#19	Safe recovery from human error	Н	This will be achieved through coordination with the airport control tower and automatic landing features
OSO#20	A human factors evaluation has been performed and the human machine interface (HMI) found appropriate for the mission	Н	The HMI being used is standard QGroundControl which makes the evaluation unnecessary for this operational scenario.
Adverse opera	Adverse operating conditions		
OSO#21	Operational procedures are defined,  Validated and adhered to	Н	The drone will only be operated in favorable weather conditions.
OSO#22	The remote crew is trained to identify critical environmental conditions and to avoid them	Н	The drone operator will be trained to avoid flying the drone in adverse environmental conditions

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			The limits on operation of drone in
77#O3O	Environmental conditions for safe	-	different environmental conditions
030#23	operations are defined, incasurable	п	will be provided to the drone operator
	מוות מתווכוכת ו		and implemented by the airport authority
	TIAC is designed and amolificat for		Since the UAS will only operate in
OSO#24	OAS IS designed and quantied for	Н	favorable weather conditions,
	adverse environmental conditions		this design and qualification is not necessary.

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