

Appendix A

Impact and Risk assessment summary

ApX Table 1 Construction Impact a register

Project activity	Event	ID	Receptor	Sensitivity	Initial mitigation	Magnitude	Initial Consequence	Additional mitigation	ID	Magnitude	Residual consequence
Construction piling and construction vessels	Underwater noise impact to divers	IOU-I01	Divers that operate within an area that is predicted to receive sound above the identified human health thresholds due to piling	Medium	OMU-M13	Low	Minor (D)	Not required			Minor (D)
Construction piling and construction vessels	Underwater noise impact to data quality	IOU-I02	Seismic operators who may operate within an area that receives underwater piling sound	Low	OMU-M10	Low	Negligible (E)	Not required			Negligible (E)
Construction vessel presence	Displacement or interaction with non-project vessels during construction and commissioning	IOU-I03	Non-project vessels associated with petroleum exploration	Low	VES-M01 OFF-M10	Low	Negligible (E)	Not required			Negligible (E)
			Non-project vessels associated with petroleum production	Low	VES-M01 OFF-M10	Low	Negligible (E)	Not required			Negligible (E)
			Defence vessels	Low	VES-M01 OFF-M10	Low	Negligible (E)	Not required			Negligible (E)
			Submarine power cable maintenance vessels	Medium	VES-M01 OFF-M10	Negligible	Minor (D)	Not required			Minor (D)
Construction and presence of cables	Interference with submarine power cables	IOU-I04	Submarine power cable	Medium	OMU-M11 OMU-M12 OMU-M17 OMU-M18	Low	Minor (D)	Not required			Minor (D)
Construction and presence of turbines	Displacement or interaction with aircraft	IOU-I05	Grid LSALT	High	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10	Very high	Severe (A)	Consult with CASA and Airservices Australia	IOU-M01	Negligible	Minor (D)
			PANS_OPS	High	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10	Very high	Severe (A)	Consult with the Yarram Aerodrome	IOU-M02	Negligible	Minor (D)
			Defence	High	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10	Very high	Severe (A)	Consult with Defence	IOU-M03	Negligible	Minor (D)
			SAR	Low	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10 VES-M01	Negligible	Negligible (E)	Not required			Negligible (E)

Apx Table 2 Operational impact register

Project activity	Event	ID	Receptor	Sensitivity	Initial mitigation	Magnitude	Consequence	Final mitigation	ID	Magnitude	Residual consequence
Maintenance vessel presence	Displacement or interaction with non-project vessels	IOU-I06	Petroleum exploration	Low	VES-M01 OFF-M10	Low	Negligible (E)	Not required			Negligible (E)
			Petroleum production	Low	VES-M01 OFF-M10	Low	Negligible (E)	Not required			Negligible (E)
			Defence	Low	VES-M01 OFF-M10	Low	Negligible (E)	Not required			Negligible (E)
			Submarine power cable maintenance vessels	Medium	VES-M01 OFF-M10	Low	Minor (D)	Not required			Minor (D)
Presence and maintenance of power cables	Interference with submarine power cables	IOU-I07	Submarine power cable	Medium	OMU-M11 OMU-M12 OMU-M17 OMU-M18	Low	Minor (D)	Not required			Minor (D)
Presence of wind turbines	Displacement or interaction with aircraft	IOU-I08	Grid LSALT	High	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10	Very high	Severe (A)	Consult with CASA and Airservices Australia	IOU-M01		Minor (D)
			PANS_OPS	High	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10	Very high	Severe (A)	Consult with the Yarram Aerodrome	IOU-M02		Minor (D)
			Defence	High	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10	Very high	Severe (A)	Consult with Defence	IOU-M03		Minor (D)
			SAR	Low	OMU-M14 OMU-M15 OMU-M20 OFF-M12 OFF-M10 VES-M01	Negligible	Negligible (E)	Not required			Negligible (E)
Operation of wind turbines	Turbine blade interference with radar, communications and meteorological equipment	IOU-I09	Civil radar	High	OFF-M22	Very high	Severe (A)	Manage Civil radar interference	IOU-M04	Low	Moderate
			Weather radar	High	OFF-M22	Medium	Major (B)	Manage Weather radar interference	IOU-M06	Low	Moderate
			Military Radar	High	OFF-M22	Medium	Major (B)	Manage Defence radar interference	IOU-M05	Low	Moderate