



### CARTOGRAPHIC SYMBOLS

	Post Survey Route with kilometre post and reverse kilometre post		Telecommunications cable position, in service (As found in magenta)
	Beach Mark		Pipeline position, in Service/Out of Service/Planned (As found in magenta)
	Alter Course		Power cable position, in Service/Out of Service (As found in magenta)
	Survey Route		Chart Matchline
	Coastline (from Admiralty Charts)		Territorial Sea / EEZ limit

### BATHYMETRY

Bathymetric contours in metres. Contour interval may be reduced to aid in clarity. All bathymetry reduced to Lowest Astronomical Tide (LAT)

Approximate limit of swath bathymetry coverage (shown only in areas of full swath)

Downdrop gradient in degrees (°) as measured over the shortest significant distance

### SEABED FEATURES AND SHALLOW GEOLOGY

	Coral		Linear sonar contact, dashed where partially buried
	Gas seepage area with predominant sediment classification		Unidentified magnetic anomaly with reference number and amplitude
	Boulders with predominant sediment classification		Submerged pipeline position, as determined by magnetometer, with reference number and amplitude
	Fine sediment (predominantly CLAY/SILT)		Seabed sample location with reference number: GC (Piston Core), GS (Grab Sample), DS (Diver Sample), DP (Diver Probing), SP (Beach Probing)
	Coarse sediment (SAND and GRAVEL)		Small outcrop of rock with height in metres if discernible
	Very coarse sediment (COBBLES and BOULDERS)		Subsidence DEPRESSION or POCKMARK with diameter (d) and depth (D) in metres, where discernible
	Subsiding ROCK with predominant sediment classification (sediment thickness = target burial depth)		ROCK outcrop
	ROCK outcrop		HARDGROUND (Very dense/irregularly bedded sediment)
	Sediment or feature boundary		Orientation of SANDWAVE crest (with wavelength and height in metres)
	Inferred Sediment or Feature Boundary		Orientation of MEGARIPPLE crest (with wavelength and height in metres)
	Approximate limit of side scan sonar coverage and survey swath		Orientation of sediment ribbon
	Seabed scar (trawl or anchor)		Fault with depth below seafloor (fractures on down slope)
	Charted or reported wreck		Isobath Contours shown at 1m interval with labels every 1m
	Dumping ground database position		Located wreck with reference no. (length x width x height in metres where measurable)
	Wall / Platform		Anchorage Area / Fishing Area (Admiralty chart position)
	OT Concession Block		Anchorage / Fishing Prohibited (Admiralty chart position)

### CHART COMMENT:

### GENERAL NOTES:

SURVEY VESSEL: M.V. Ocean Endeavour  
 Surface positioning system: Fuga Starlink HD 3000SS  
 Bathymetry: Kongsberg EM1002, Kongsberg EM120, Kongsberg S400i Combi

Descriptive Terms and Definitions:  
 The criteria used for interpretation and descriptions are presented in the Survey Results

### GEODETIC PARAMETERS:

Projection: MERCATOR  
 Longitude of Origin: 53°W  
 Standard Parallel: 7°N  
 Semi-Major Axis (a) (metres): 6378137.000  
 Reciprocal Flattening (1/f): 298.257223563

Scale Factor: 1  
 Datum: WGS84  
 False Easting: 3 000 000  
 False Northing: 5 000 000



Survey Date: SEPTEMBER 2016

Scale: NATURAL SCALE 1 : 10,000 at 7°N

(At Mid-Latitude of Chart, TRUE SCALE 1:10000.0)

Contractor:

Surveyor:

Project Name: BRUSA CABLE ROUTE SURVEY

Document Title: SEGMENT 6 NORTH UP CHART CHART NO. 006 OF 017 (KP 18.231 - KP 27.715)

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**REVISION 1.1**