



### CARTOGRAPHIC SYMBOLS

	Post Survey Route with kilometre post and reverse kilometre post (As found in magenta)		Telecommunications cable position (As found in magenta)
	Beach Mark/Alter Course		Pipeline position (As found in magenta)
	Survey Route		Power cable position (As found in magenta)
	Coastline (from Admiralty Charts)		Chart Matchline
	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)
	Downslope gradient in degrees (°) as measured over the shortest significant distance		

### SEABED FEATURES AND SHALLOW GEOLOGY

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

### CHART COMMENT:

### GENERAL NOTES:

**SURVEY VESSEL:** M.V. Ocean Endeavour  
**Surface positioning system:** Sigma Starlink 10000SS  
**Bathymetry:** Kongsberg EM102, Kongsberg EM120, Kongsberg S400 Combi

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

### GEODETTIC PARAMETERS:

Projection: MERCATOR  
 Longitude of Origin: 53°W  
 Standard Parallel: 7°N  
 Semi-Major Axis (a) (metres): 6378137.000  
 Reciprocal Flattening (1/f): 298.257222563

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: **Atcatel-Lucent**

Surveyor: **Gardline**

Project Name: **BRUSA CABLE ROUTE SURVEY**

Document Title: **SEGMENT 6 NORTH UP CHART CHART NO. 005 OF 017 (KP 8.161 - KP 18.794)**

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Rev	Date	Prepared by	Checked by	Approved by

ROUTE BASED UPON: BRUSA S6.PSR8 File Name: BRUSA.S6.NU005

**REVISION 1.1**