

### CARTOGRAPHIC SYMBOLS

	Post Survey Route with kilometre post and reverse kilometre post		Telecommunications cable position, in service, Out of Service/Planned (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)
	Downslope gradient in degrees (°) as measured over the shortest significant distance		

### SEABED FEATURES AND SHALLOW GEOLOGY

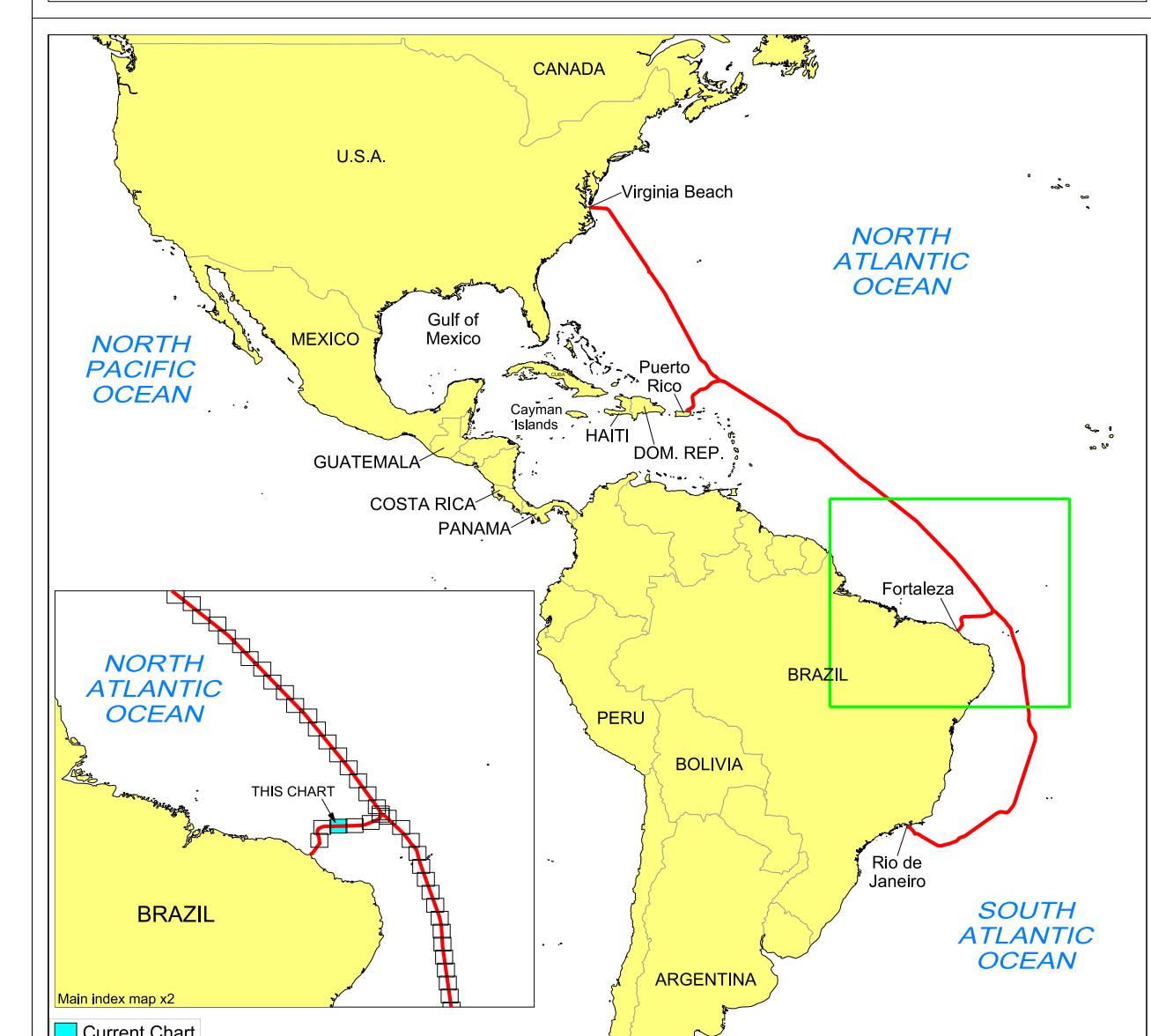
	Coral		Isolated sonar contact with reference number (length x width x height in metres where measurable; n/m = no measurable height)
	Gas seepage area with predominant sediment classification		Linear sonar contact, dashed where partially buried
	Boulders with predominant sediment classification		Unidentified magnetic anomaly with reference number and amplitude
	Fine sediment (predominantly CLAY/SILT)		Cable/Pipeline 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 Probing), SP (Beach Probing)
	Very coarse sediment (COBBLES and BOULDERS)		MeiCPT (CPT) Location with reference number
	Subcropping ROCK with predominant sediment classification (sediment 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		Orientation of sediment ribbon
	Approximate limit of side scan sonar coverage and survey swath		Fault with depth below seafloor (fluctures on down side)
	Seabed scar (trawl or anchor)		Charted or reported wreck (fluctures on down side)
	Dumping ground database position		Isobath Contours 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: Fuga Starlink W1000SS  
 Bathymetry: Kongsberg EM102, Kongsberg EM122, Kongsberg S400 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



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Survey Date: SEPTEMBER 2016  
 Scale: NATURAL SCALE 1 : 100,000 at 7°N  
 (At Mid-Latitude of Chart) TRUE SCALE 1:100666.09

Contractor: **Alcatel-Lucent**  
 Surveyor: **Gardline**  
 Project Name: **BRUSA CABLE ROUTE SURVEY**  
 Document Title: **SEGMENT 6 NORTH UP CHART CHART NO. 014 OF 017 (KP 247.681 - KP 344.368)**

01	30.09.2016	HH	SK	CB	<b>REVISION 1.1</b>
Rev	Date	Prepared by	Checked by	Approved by	

ROUTE BASED UPON: BRUSA S6.PSR08 File Name: BRUSA.S6.NU014