

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 Manhole		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
	Boulder 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 Probe), SP (Beach Probe)
	Very coarse sediment (COBBLES and BOULDERS)		MeCPT (CP) 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 POC/MARK with diameter (d) and depth (D) in metres, where discernible
	HARDGROUND (Very dense)/Porecollocated 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 (fractures on down side)
	Seabed scar (trawl or anchor)		Charted or reported wreck
	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)
	Cf Concession Block		Anchorage Area / Fishing Area (Admiralty chart position)
			Anchorage / Fishing Prohibited (Admiralty chart position)

CHART COMMENT:

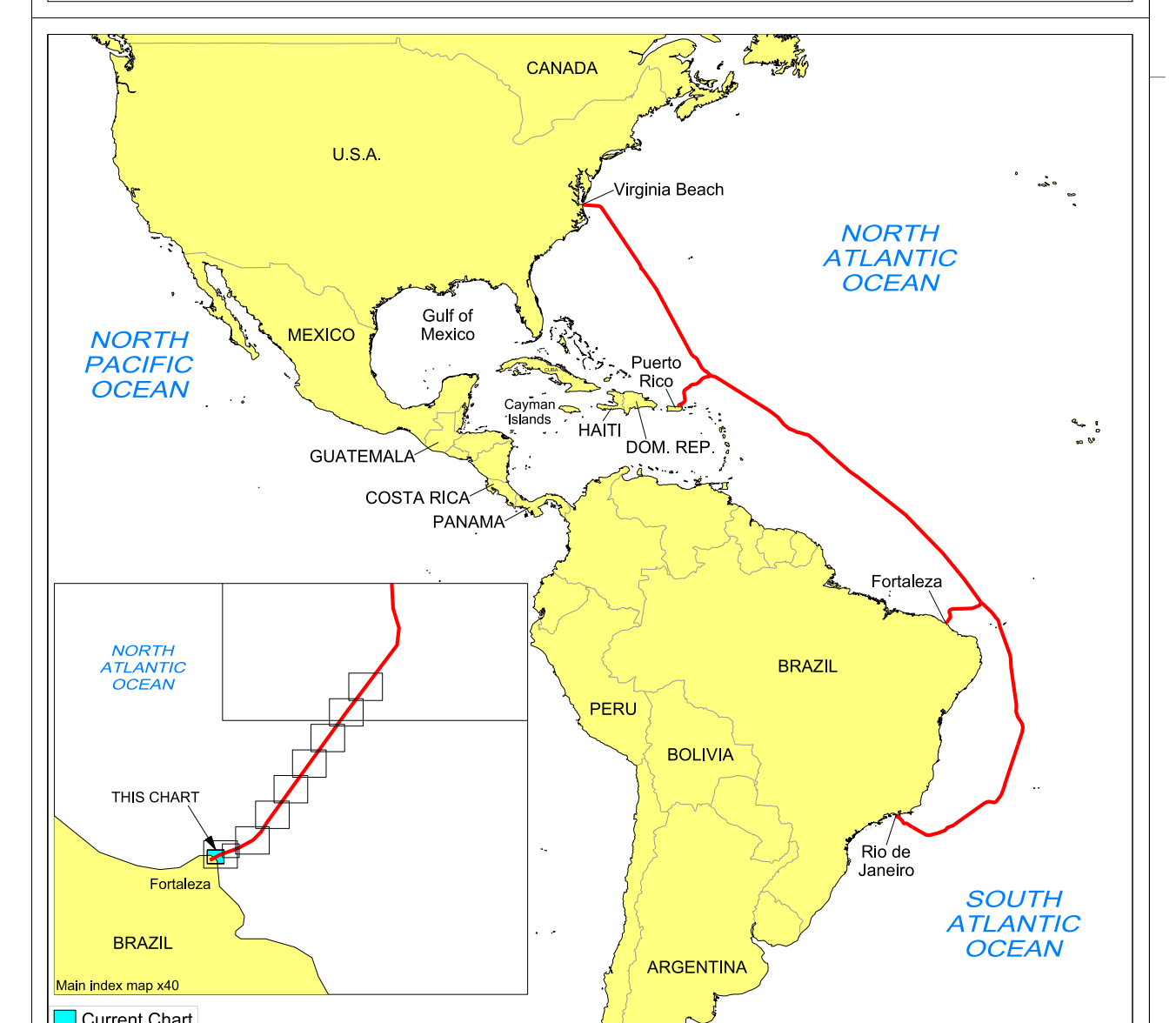
GENERAL NOTES:

SURVEY VESSEL: M.V. Ocean Endeavour
 Surface positioning system: Fuga Starfix with OCEANSS
 Bathymetry: Kongsberg EM1002, Kongsberg EM120, Kongsberg EA100 Combi

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

GEODETIC PARAMETERS:

Projection: MERCATOR
 Scale Factor: 1
 Longitude of Origin: 53°W
 Datum: WGS84
 Standard Parallel: 7°N
 False Easting: 3 000 000
 Semi-Major Axis (a) (metres): 6378137.000
 False Northing: 5 000 000
 Reciprocal Flattening (1/f): 298.257223563



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Survey Date: SEPTEMBER 2016

Scale: NATURAL SCALE 1 : 5,000 at 7°N
 TRUE SCALE 1:5000 @ 7°N

Contractor: **Alcatel-Lucent**

Surveyor: **Gardline**

Project Name: **BRUSA CABLE ROUTE SURVEY**

Document Title: **SEGMENT 6 NORTH UP CHART CHART NO. 002 OF 017 (KP 0.000 - KP 4.639)**

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REVISION 1.1