

CARTOGRAPHIC SYMBOLS

- Post Survey Route with kilometre post and reverse kilometre post
- Beach Markhole
- Alter Course
- Survey Route
- Coastline (from Admiralty Charts)
- Telecommunications cable position, in Service/Out of Service/Planned (As found in magenta)
- Pipeline position, in Service/Out of Service/Planned (As found in magenta)
- Power cable position, in Service/Out of Service (As found in magenta)
- 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 fair weather)
- Downslope gradient in degrees (°) as measured over the shortest significant distance

SEABED FEATURES AND SHALLOW GEOLOGY

cor	Coral	SC01	Isolated sonar contact with reference number (length x width x height in metres where measurable; n/m = no measurable height)
fa/cv/s	Gas seepage area with predominant sediment classification	41/8	Linear sonar contact, dished where partially buried
fb/cv/s	Boulders with predominant sediment classification	MC01	Unidentified magnetic anomaly with reference number and amplitude
fs	Fine sediment (predominantly CLAY/SILT)	MC02	Cable/Pipeline position, as determined by magnetometer, with reference number and amplitude
gs	Coarse sediment (SAND and GRAVEL)	CO01	Seabed sample location with reference number
vc/s	Very coarse sediment (COBBLES and BOULDERS)	OS	OS (Diver Core) DS (Diver Sample) DP (Diver Probing) SP (Beach Probing)
fa/cv/s	Subsiding ROCK with predominant sediment classification (sediment thickness = target burial depth)	DP01	Min/CPT (CP) Location with reference number
r	ROCK outcrop	ES	Small outcrop of rock with height in metres if discernible
ha	HARDGROUND (Very dense/solid/consolidated sediment)	OD	Seabed DEPRESSION or POC/MARK with diameter (d) and depth (D) in metres, where discernible

Other Symbols:

- Sediment or feature boundary
- Inferred Sediment or Feature Boundary
- Approximate limit of side scan sonar coverage and survey swath
- Seabed scar (trawl or anchor)
- Charted or reported wreck
- Dumping ground database position
- Well / Platform
- Oil Concession Block
- Orientation of SANDWAVE crest (with wavelength and height in metres)
- Orientation of MEGARIPPLE crest (with wavelength and height in metres)
- Orientation of sediment ribbon
- Fault with depth below seafloor (fathures on down side)
- Isobath Contours shown at 1m interval with labels every 1m
- Located wreck with reference no. (length x width x height in metres where measurable)
- Anchor Area / Fishing Area (Admiralty chart position)
- Anchor Area / Fishing Prohibited (Admiralty chart position)

CHART COMMENT:

GENERAL NOTES:

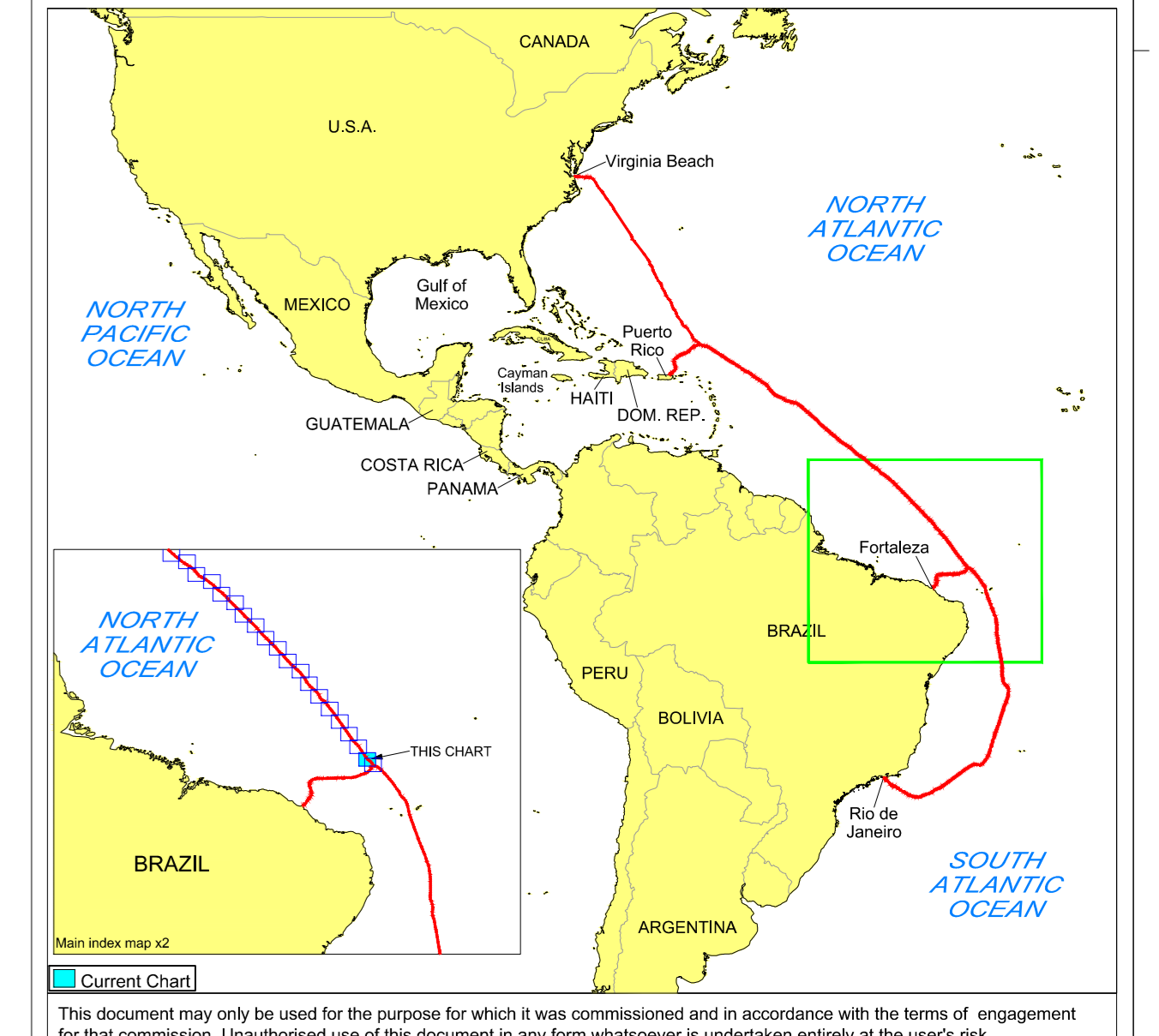
SURVEY VESSEL: M.V. Sea Surveyor
 Surface positioning system: CHIR DIGNSS
 Bathymetry: Kongsberg EM710, Kongsberg EM722, Kongsberg S400 Combi

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



This document may only be used for the purpose for which it was commissioned and in accordance with the terms of engagement for that commission. Unauthorised use of this document in any form whatsoever is under the entirety of the user's risk.

Survey Date: APRIL to AUGUST 2016

Scale: **NATURAL SCALE 1 : 100,000 at 7°N**

(At Mid-Latitude of Chart)
 TRUE SCALE 1 : 100726.58 km

Purchaser: **TELXIUS**
 Enabling Connectivity

Contractor: **Alcatel-Lucent**
 Surveyor: **Gardline**

Project Name: **BRUSA CABLE ROUTE SURVEY**

Document Title: **SEGMENT 5 NORTH-UP CHART CHART NO. 044 OF 044 (KP 3937.533 - KP 4030.935)**

01	16.09.2016	MF	JP	EB
00	18.04.2016	MF	JP	EB
Rev	Date	Prepared by	Checked by	Approved by

ROUTE BASED UPON: BRUSA PRR04 File Name: BRUSA.S5.NU044

REVISION 01