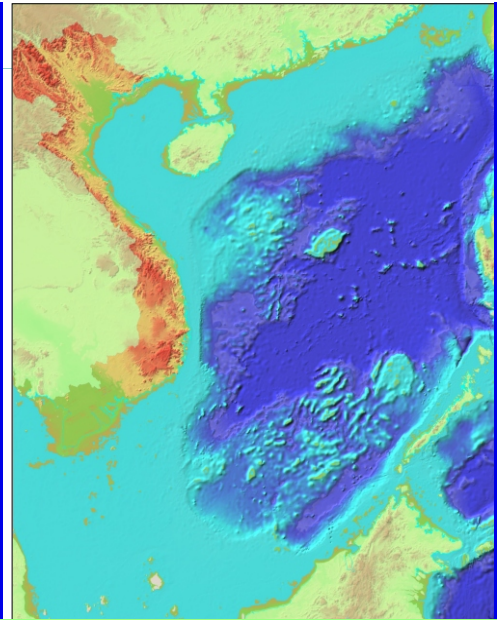**SOCIALIST REPUBLIC OF VIETNAM**

SUBMISSION TO THE COMMISSION ON THE LIMITS OF THE CONTINENTAL SHELF
PURSUANT TO ARTICLE 76, PARAGRAPH 8 OF THE UNITED NATIONS CONVENTION ON THE LAW OF THE SEA 1982

PARTIAL SUBMISSION IN RESPECT OF VIETNAM'S EXTENDED CONTINENTAL SHELF: CENTRAL AREA (VNM-C)

PART I - EXECUTIVE SUMMARY

VNM-C-ES-DOC

APRIL 2009

SOCIALIST REPUBLIC OF VIETNAM

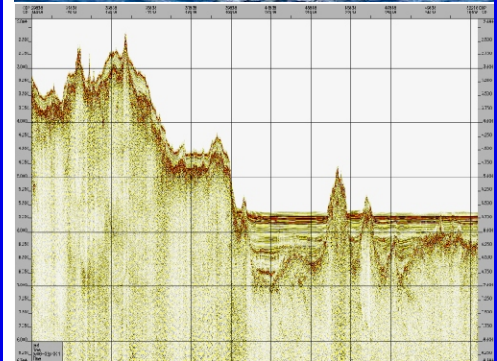Bathymetric map of the East Sea

SUBMISSION TO THE COMMISSION ON THE LIMITS OF THE CONTINENTAL SHELF PURSUANT TO ARTICLE 76, PARAGRAPH 8 OF THE UNITED NATIONS CONVENTION ON THE LAW OF THE SEA 1982

PARTIAL SUBMISSION IN RESPECT OF VIETNAM'S EXTENDED CONTINENTAL SHELF: CENTRAL AREA (VNM-C)

PART I - EXECUTIVE SUMMARY
VNM-C-ES-DOC

The following departments and agencies of the Government of the Socialist Republic of Vietnam are responsible for the preparation of this submission :

Ministry of Foreign Affairs
Ministry of Natural Resources and Environment
Ministry of Science and Technology
Institute of Marine Geology and Geophysics
Institute of Geography
Department of Survey and Mapping of Vietnam
Hydrographic Survey and Mapping Department, Vietnam Navy
PetroVietnam

Scientific and Technical Advisors: National Oceanography Centre, Southampton,UK

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APRIL 2009

Seismic survey vessel used by Vietnam

Part of cross seismic section

Vietnamese Hydrographic survey vessel

Part of bathymetric section

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1. Introduction

The Socialist Republic of Vietnam (Vietnam), one of the coastal States bordering the East Sea, has a coastline approximately 3,260 km in length and has sovereignty over Hoang Sa and Truong Sa archipelagoes as well as more than 3000 islands and islets covering a large part of the East Sea. Hoang Sa and Truong Sa archipelagoes are located in the North and in the South East of the East Sea respectively. Vietnam is of the view that it is entitled to exercise the sovereignty, sovereign rights and national jurisdiction in the maritime zones and continental shelf of Vietnam in accordance with the United Nations Convention on the Law of the Sea 1982 (UNCLOS 1982).

The Socialist Republic of Vietnam signed UNCLOS 1982 on the 10th December 1982 and ratified the same on the 23rd June 1994.

Pursuant to the provisions of UNCLOS 1982 and the natural setting and characteristics of Vietnam's coast and continental shelf, Vietnam holds the views that it is entitled to establish the extended continental shelf beyond 200 nautical miles (M) from the baselines from which the breadth of the territorial sea of the Socialist Republic of Vietnam is measured.

In accordance with Paragraph 3 of Annex I to the Commission's Rules of Procedures, this Submission is a partial submission which delineates the outer limits of a portion of the continental shelf beyond 200 M from the baselines from which the breadth of the territorial sea of the Socialist Republic of Vietnam is measured in respect of Vietnam's extended continental shelf: Central Area (VNM-C).

This Submission by the Socialist Republic of Vietnam on the extended continental shelf has been prepared using datasets acquired by dedicated surveys in 2007, 2008 and datasets from the public domain including bathymetry, magnetic, gravity and seismic data.

This Submission in respect of the VNM-C Area refers to an area defined as follows:
The Northern boundary is constructed by straight lines connecting the fixed points which delineate the outer limits of Vietnam's extended continental shelf: Central Area; the Western boundary is 200 M limit from the baselines from which the breadth of the

territorial sea of the Socialist Republic of Vietnam is measured; the Eastern boundary is segments of the 200 M limit from the territorial sea base lines of the Philippines and intersection of 200 M limits of the Philippines and Malaysia respectively; the Southern boundary is the Northern boundary of the Defined Area set out in the Vietnam – Malaysia Joint Submission on the Limits of Continental Shelf in respect of the southern part of the South China Sea.

2. Specific provisions of Article 76 invoked to support the Submission

The outer limits delineated in this Submission are based on the provisions of paragraphs 1, 4, 5 and 7 Article 76.

3. Names of Commission Members who provided advice during the preparation of the Submission

None of the members of the Commission on the Limits of the Continental Shelf (Commission) assisted Vietnam in the preparation of this Submission.

4. Absence of disputes

In accordance with Paragraph 2(a) of Annex I to the Commission's Rules of Procedures, Vietnam wishes to inform the Commission that there is a common understanding that the area of continental shelf which is the subject of this Submission is of overlapping interest expressed by relevant coastal States. Nevertheless, Vietnam is of the view that, in accordance with Article 76(10) of UNCLOS 1982, Article 9 Annex II to UNCLOS 1982, Rule 46 and Annex I of the Commission's Rules of Procedure, this Submission is without prejudice to the maritime delimitation between Vietnam and other relevant coastal States.

Vietnam has undertaken efforts to secure the non-objection of the other relevant coastal States.

5. Detailed description of the outer limits of Vietnam's extended continental shelf: Central Area (VNM-C)

Vietnam has delineated the outer limits of Vietnam's extended continental shelf: Central Area (VNM-C) by application of the Foot of Slope (FOS) + 60 M formula (the Hedberg formula).

Accordingly, 78 fixed points have been established which delineate the outer limits of Vietnam's extended continental shelf: Central Area (VNM-C). The outer limits are illustrated in **Figure 1.** The list of the geographical coordinates of the fixed points delineating the outer limits of VNM-C Area and the lengths of the connecting straight lines are listed in **Table 1**.

6. State Agencies responsible for the preparation of the Submission

This Submission, together with all maps, figures, tables, appendices and data bases were prepared by an interagency team consisting of:

Ministry of Foreign Affairs;

Ministry of Natural Resources and Environment;

Ministry of Science and Technology;

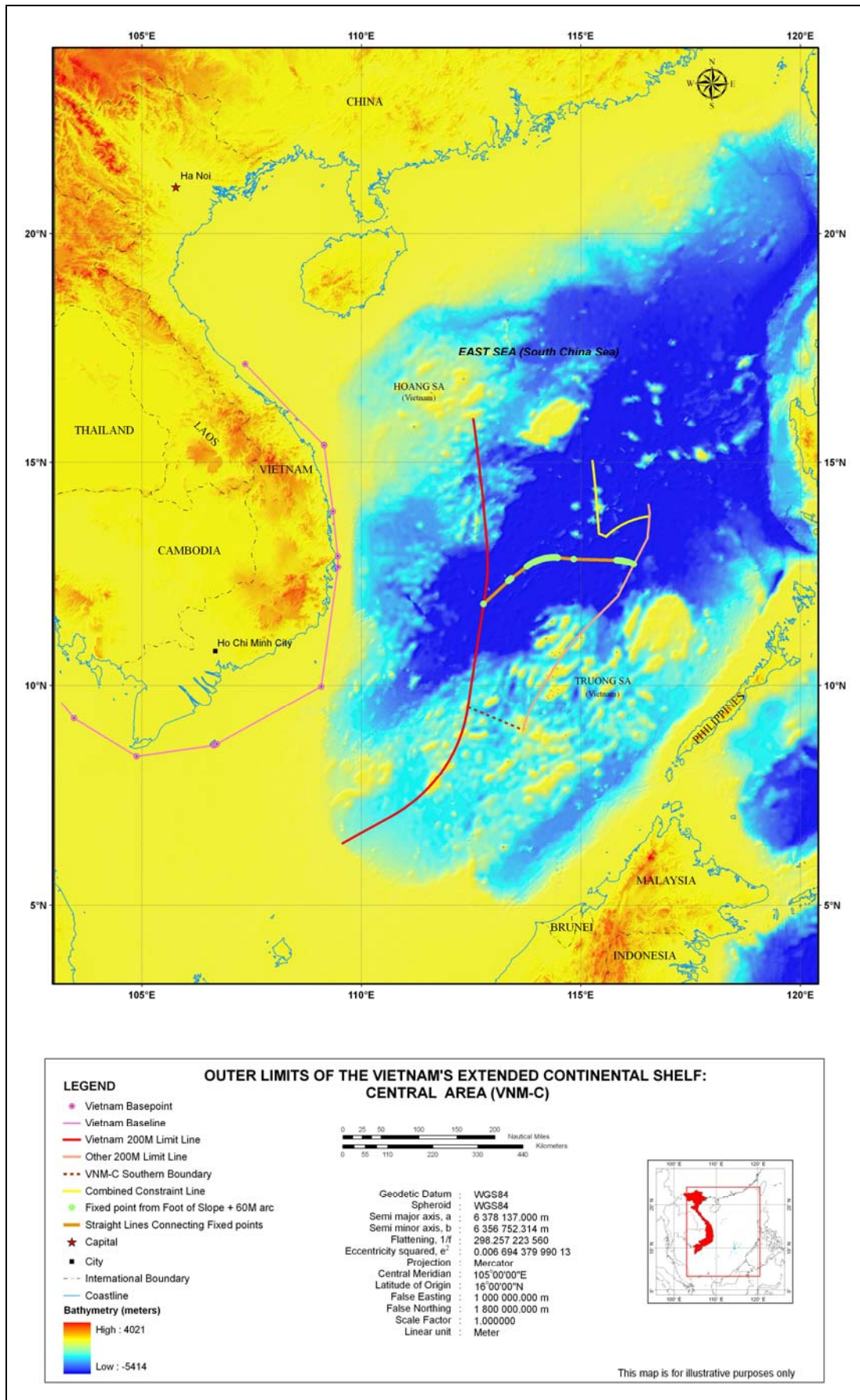Institute of Marine Geology and Geophysics;

Institute of Geography;

Department of Survey and Mapping of Vietnam;

Hydrographic Survey and Mapping Department, Vietnam Navy;

PetroVietnam.

Scientific and Technical Advisors: National Oceanography Centre, Southampton, United Kingdom.

Figure 1 Outer limits of the Vietnam's extended continental shelf: Central Area (VNM-C)

Table 1 Fixed points delineating the outer limits of Vietnam's extended continental shelf: Central Area (VNM-C)

FP ID	Latitude (N)	Longitude (E)	Method	From FP	To FP	Distance m	M
1	11.8310692	112.7869424	Fixed point at intersection of 60M envelope of arcs generated from FOS7 and Vietnam's 200M limit				
2	12.3432321	113.3524454	Fixed point from 60M envelope of arcs generated from FOS04	1	2	83667.348	45.177
3	12.3543623	113.3651655	Fixed point from 60M envelope of arcs generated from FOS04	2	3	1852.081	1
4	12.3652823	113.3780721	Fixed point from 60M envelope of arcs generated from FOS04	3	4	1851.870	1
5	12.3759877	113.3911628	Fixed point from 60M envelope of arcs generated from FOS04	4	5	1851.899	1
6	12.3864763	113.4044354	Fixed point from 60M envelope of arcs generated from FOS04	5	6	1851.824	1
7	12.3967460	113.4178832	Fixed point from 60M envelope of arcs generated from FOS04	6	7	1851.847	1
8	12.6657924	113.7729243	Fixed point from 60M envelope of arcs generated from FOS03	7	8	48732.618	26.314
9	12.6758390	113.7865607	Fixed point from 60M envelope of arcs generated from FOS03	8	9	1851.955	1
10	12.6856626	113.8003656	Fixed point from 60M envelope of arcs generated from FOS03	9	10	1851.950	1
11	12.6952565	113.8143366	Fixed point from 60M envelope of arcs generated from FOS03	10	11	1851.835	1
12	12.7046207	113.8284694	Fixed point from 60M envelope of arcs generated from FOS03	11	12	1851.790	1
13	12.7137508	113.8427616	Fixed point from 60M envelope of arcs generated from FOS03	12	13	1851.024	1
14	12.7226469	113.8572065	Fixed point from 60M envelope of arcs generated from FOS03	13	14	1851.947	1
15	12.7313024	113.8718019	Fixed point from 60M envelope of arcs generated from FOS03	14	15	1851.802	1
16	12.7397173	113.8865432	Fixed point from 60M envelope of arcs generated from FOS03	15	16	1851.851	1

FP ID	Latitude (N)	Longitude (E)	Method	From FP	To FP	Distance	
						m	M
17	12.7478894	113.9014261	Fixed point from 60M envelope of arcs generated from FOS03	16	17	1851.887	1
18	12.7558166	113.9164459	Fixed point from 60M envelope of arcs generated from FOS03	17	18	1851.906	1
19	12.7634966	113.9316005	Fixed point from 60M envelope of arcs generated from FOS03	18	19	1851.030	1
20	12.7709273	113.9468831	Fixed point from 60M envelope of arcs generated from FOS03	19	20	1851.819	1
21	12.7781043	113.9622892	Fixed point from 60M envelope of arcs generated from FOS03	20	21	1851.680	1
22	12.7850276	113.9778188	Fixed point from 60M envelope of arcs generated from FOS03	21	22	1851.055	1
23	12.7916951	113.9934630	Fixed point from 60M envelope of arcs generated from FOS03	22	23	1851.788	1
24	12.7981067	114.0092194	Fixed point from 60M envelope of arcs generated from FOS03	23	24	1851.916	1
25	12.8042559	114.0250837	Fixed point from 60M envelope of arcs generated from FOS03	24	25	1851.933	1
26	12.8101470	114.0410512	Fixed point from 60M envelope of arcs generated from FOS03	25	26	1851.967	1
27	12.8157736	114.0571153	Fixed point from 60M envelope of arcs generated from FOS03	26	27	1851.759	1
28	12.8211355	114.0732738	Fixed point from 60M envelope of arcs generated from FOS03	27	28	1851.846	1
29	12.8262307	114.0895243	Fixed point from 60M envelope of arcs generated from FOS03	28	29	1851.976	1
30	12.8310592	114.1058579	Fixed point from 60M envelope of arcs generated from FOS03	29	30	1851.894	1
31	12.8356187	114.1222724	Fixed point from 60M envelope of arcs generated from FOS03	30	31	1851.887	1
32	12.8399092	114.1387610	Fixed point from 60M envelope of arcs generated from FOS03	31	32	1851.804	1
33	12.8439287	114.1553214	Fixed point from 60M envelope of arcs generated from FOS03	32	33	1851.833	1

FP ID	Latitude (N)	Longitude (E)	Method	From FP	To FP	Distance	
						m	M
34	12.8476748	114.1719492	Fixed point from 60M envelope of arcs generated from FOS03	33	34	1851.960	1
35	12.8511476	114.1886377	Fixed point from 60M envelope of arcs generated from FOS03	34	35	1851.878	1
36	12.8543450	114.2053845	Fixed point from 60M envelope of arcs generated from FOS03	35	36	1851.951	1
37	12.8572691	114.2221830	Fixed point from 60M envelope of arcs generated from FOS03	36	37	1851.847	1
38	12.8599155	114.2390287	Fixed point from 60M envelope of arcs generated from FOS03	37	38	1851.861	1
39	12.8622842	114.2559192	Fixed point from 60M envelope of arcs generated from FOS03	38	39	1851.938	1
40	12.8643775	114.2728457	Fixed point from 60M envelope of arcs generated from FOS03	39	40	1851.876	1
41	12.8661931	114.2898059	Fixed point from 60M envelope of arcs generated from FOS03	40	41	1851.808	1
42	12.8677267	114.3067953	Fixed point from 60M envelope of arcs generated from FOS03	41	42	1851.814	1
43	12.8689848	114.3238094	Fixed point from 60M envelope of arcs generated from FOS03	42	43	1851.958	1
44	12.8699609	114.3408415	Fixed point from 60M envelope of arcs generated from FOS03	43	44	1851.937	1
45	12.8706594	114.3578893	Fixed point from 60M envelope of arcs generated from FOS03	44	45	1851.904	1
46	12.8710758	114.3749460	Fixed point from 60M envelope of arcs generated from FOS03	45	46	1851.954	1
47	12.8712147	114.3918546	Fixed point from 60M envelope of arcs generated from FOS03	46	47	1835.371	0.991
48	12.8710736	114.4089158	Fixed point from 60M envelope of arcs generated from FOS03	47	48	1851.875	1
49	12.8706550	114.4259726	Fixed point from 60M envelope of arcs generated from FOS03	48	49	1851.960	1
50	12.8699543	114.4430181	Fixed point from 60M envelope of arcs generated from FOS03	49	50	1851.702	1

FP ID	Latitude (N)	Longitude (E)	Method	From FP	To FP	Distance m	Distance M
51	12.8689738	114.4600502	Fixed point from 60M envelope of arcs generated from FOS03	50	51	1851.845	1
52	12.8677157	114.4770643	Fixed point from 60M envelope of arcs generated from FOS03	51	52	1851.969	1
53	12.8369277	114.8425775	Fixed point from 60M envelope of arcs generated from FOS02	52	53	39821.937	21.502
54	12.8084478	115.8186600	Fixed point from 60M envelope of arcs generated from FOS01	53	54	106011.45	57.242
55	12.8077491	115.8357032	Fixed point from 60M envelope of arcs generated from FOS01	54	55	1851.931	1
56	12.8067684	115.8527308	Fixed point from 60M envelope of arcs generated from FOS01	55	56	1851.884	1
57	12.8055099	115.8697404	Fixed point from 60M envelope of arcs generated from FOS01	56	57	1851.872	1
58	12.8039716	115.8867253	Fixed point from 60M envelope of arcs generated from FOS01	57	58	1851.875	1
59	12.8021555	115.9036810	Fixed point from 60M envelope of arcs generated from FOS01	58	59	1851.840	1
60	12.8000595	115.9206030	Fixed point from 60M envelope of arcs generated from FOS01	59	60	1851.885	1
61	12.7976879	115.9374891	Fixed point from 60M envelope of arcs generated from FOS01	60	61	1852.02	1
62	12.7950387	115.9543303	Fixed point from 60M envelope of arcs generated from FOS01	61	62	1851.805	1
63	12.7921139	115.9711243	Fixed point from 60M envelope of arcs generated from FOS01	62	63	1851.881	1
64	12.7889113	115.9878666	Fixed point from 60M envelope of arcs generated from FOS01	63	64	1852.083	1
65	12.7854376	116.0045506	Fixed point from 60M envelope of arcs generated from FOS01	64	65	1851.784	1
66	12.7816883	116.0211739	Fixed point from 60M envelope of arcs generated from FOS01	65	66	1851.956	1
67	12.7776679	116.0377299	Fixed point from 60M envelope of arcs generated from FOS01	66	67	1851.840	1

FP ID	Latitude (N)	Longitude (E)	Method	From FP	To FP	Distance m	M
68	12.7733762	116.0542139	Fixed point from 60M envelope of arcs generated from FOS01	67	68	1851.764	1
69	12.7688134	116.0706239	Fixed point from 60M envelope of arcs generated from FOS01	68	69	1851.978	1
70	12.7639816	116.0869530	Fixed point from 60M envelope of arcs generated from FOS01	69	70	1851.890	1
71	12.7588829	116.1031968	Fixed point from 60M envelope of arcs generated from FOS01	70	71	1851.892	1
72	12.7535196	116.1193508	Fixed point from 60M envelope of arcs generated from FOS01	71	72	1851.779	1
73	12.7478894	116.1354127	Fixed point from 60M envelope of arcs generated from FOS01	72	73	1852.114	1
74	12.7419990	116.1513735	Fixed point from 60M envelope of arcs generated from FOS01	73	74	1851.708	1
75	12.7358461	116.1672332	Fixed point from 60M envelope of arcs generated from FOS01	74	75	1851.875	1
76	12.7294329	116.1829852	Fixed point from 60M envelope of arcs generated from FOS01	75	76	1851.952	1
77	12.7227638	116.1986249	Fixed point from 60M envelope of arcs generated from FOS01	76	77	1851.851	1
78	12.7169764	116.2115965	Fixed point at intersection of 60M envelope of arcs generated from FOS01 and Philippines's 200M	77	78	1547.518	0.836