

**LOGBOOK OF PRACTICAL HYDROGRAPHIC SURVEYING EXPERIENCE – S- 5A / S-5B**

Candidate (Applicant): .....

Dates (dd/mm/yy)		Consolidation of Category B and / or Category A syllabus level of knowledge				Description <sup>2</sup>	Competencies Exercised <sup>3</sup>
From	To	Field Survey / Office Days <sup>1</sup> Cat B	Field Survey / Office Days <sup>1</sup> Cat A	Sea-time Days Cat B	Sea-time Days In Charge Cat A		
						Project Name/Task: Location: Vessel/Barge/Rig/Platform <sup>4</sup> Name: Particulars: Candidates Position: Candidates Responsibilities: Survey Equipment Utilised:  Number of Survey related Personnel on Vessel: Including sub-contractors (not Ships Crew):  Comments/Experience Gained:	S-5B            S-5A
<b>Total Days<sup>6</sup></b>		0	0	0	0		

- Notes:**
1. Include working days only.
  2. If Project particulars change during Project period, it is not necessary to renew the page unless significant changes occur. Note any changes in the Comments section.
  3. Competencies Exercised relate to the Foundation and Hydrographic Science units defined in IHO Publication S-5A Standards of Competence for CAT A Hydrographic Surveyors for Level 1 or the Essential Units defined in S-5B Standards of Competence for CAT B Hydrographic Surveyors for Level 2 (Appendix D to these Guidelines). S-5A or S-5B reference numbering is to be used.
  4. Platform may refer to fixed wing or helicopter remote sensing platforms and autonomous vehicles. Remote Operation of autonomous vehicles can be considered as 'Sea-time' only if it refers to setting up and operating the vehicle and survey system. It does not include processing the data.
  5. Senior Supervisor should be onsite however may be shore based.
  6. **The number '0' must be between numbers for calculation to work. Refer to examples. Then right click on totals and select 'Update Field'**

**Senior Supervisor<sup>5</sup>:** ..... **Signature:** .....

**Position:** .....

**Company:** .....

**Date:** .....

# LOGBOOK OF PRACTICAL HYDROGRAPHIC SURVEYING EXPERIENCE S- 5A / S-5B

Candidate (Applicant): .....

## Summary Totals of Logbook Days

<b>Field Survey / Office Days Category B</b>	<b>Field Survey / Office Days Category A</b>	<b>Sea-time Days Category B</b>	<b>Sea-time Days In Charge Category A</b>

# LOGBOOK OF PRACTICAL HYDROGRAPHIC SURVEYING EXPERIENCE – S- 5A / S-5B

(Example 1)

Candidate (Applicant): **Jim Kirk**

Dates (dd/mm/yy)		Consolidation of Category B and / or Category A syllabus level of knowledge				Description <sup>2</sup>	Competencies Exercised <sup>3</sup>
From	To	Field Survey / Office Days <sup>1</sup> Cat B	Field Survey / Office Days <sup>1</sup> Cat A	Sea-time Days Cat B	Sea-time Days In Charge Cat A		
06/03/19	08/03/19		3			<b>Project Name/Task:</b> West Channel Port Development <b>Location:</b> Seaforth Harbour <b>Vessel/Barge/Rig/Platform<sup>4</sup> Name:</b> SMB 'Dolphin' <b>Particulars:</b> LOA: 15m; Draft: 1m; GRT: n/a; Ships Crew: 2; Inshore survey/dive vessel (Class 2C). <b>Candidates Position:</b> Senior Surveyor / OIC on vessel <b>Candidates Responsibilities:</b> Responsible for mobilising testing and calibrating all navigation and geophysical equipment. <b>Survey Equipment Utilised:</b> Multibeam, Echosounder, Side scan sonar, Bottom sampler <b>Number of Survey related Personnel on Vessel:</b> Including sub-contractors (not Ships Crew): 2 dive personnel joined temporarily on 20 & 22 March 2019 <b>Comments/Experience Gained:</b> <ol style="list-style-type: none"> <li>1. Analysis of tidal data for region of survey from recent and historic surveys.</li> <li>2. Checked historic field coordinates &amp; geodetic transformation values for identification &amp; integration of historic channel and seabed obstacles</li> <li>3. Contouring seabed bathymetry &amp; data processing.</li> <li>4. Responsible for desk study on seabed sediment movement in port region particularly survey area with emphasis on future dredging works.</li> <li>5. Responsible for final report, signed off by Survey Manager</li> </ol>	<b>S-5A</b>
11/03/19	14/03/19		0		4		H4.1(a-b), H4.2(a-c,f-g), H4.3d
15/03/19	16/03/19		2		0		F1.3(b-d), F1.4(a-b)
20/03/19	23/03/19		0		4		H1.2(d-e), H6.1(a-c), H6.2(a-e), H7.1b
26/03/19	29/03/19		0		4		H2.2 (a-d), H2.3 (a-b), H2.4(a-d), H.25
31/03/19	03/04/19		0		4		H5.2a, 5.2b,H5.3a H5.4(b-c)
05/04/19	06/04/19		0		2		H6.2(a-e) H7.1(a-b) H7.3(a-c)
16/04/19	20/04/19		5				
<b>Total Days<sup>6</sup></b>		0	10	0	18		

**Notes:**

1. Include working days only.
2. If Project particulars change during Project period, it is not necessary to renew the page unless significant changes occur. Note any changes in the Comments section
3. Competencies Exercised relate to the Foundation and Hydrographic Science units defined in IHO Publication S-5A Standards of Competence for CAT A Hydrographic Surveyors for Level 1 or the Essential Units defined in S-5B Standards of Competence for CAT B Hydrographic Surveyors for Level 2 (Appendix D to these Guidelines). S-5A or S-5B reference numbering is to be used.
4. Platform may refer to fixed wing or helicopter remote sensing platforms and autonomous vehicles. Remote Operation of autonomous vehicles can be considered as 'Sea-time' only if it refers to setting up and operating the vehicle and survey system. It does not include processing the data.
5. Senior Supervisor should be onsite however may be shore based.
6. **The number '0' must be between numbers for calculation to work. Refer to examples. Then right click on totals and select 'Update Field'**

**Senior Supervisor<sup>5</sup>:** Rob Stokes      **Signature:** *R. Stokes*

**Position:** Survey Project Manager

**Company:** O&G Marine Pty Ltd

**Date:** 20<sup>th</sup> May 2019

# LOGBOOK OF PRACTICAL HYDROGRAPHIC SURVEYING EXPERIENCE S- 5A / S- 5B

(Example 2)

Candidate (Applicant): Jim Kirk

Dates (dd/mm/yy)		Consolidation of Category B and / or Category A syllabus level of knowledge				Description <sup>2</sup>	Competencies Exercised <sup>3</sup>
From	To	Field Survey / Office Days <sup>1</sup> Cat B	Field Survey / Office Days <sup>1</sup> Cat A	Sea-time Days Cat B	Sea-time Days In Charge Cat A		
06/03/19	09/03/19	4				<b>Project Name/Task:</b> South Passage Geophysical Well Site & Pipeline Route Survey <b>Location:</b> NW Shelf Australia <b>Vessel/Barge/Rig/Platform<sup>4</sup> Name:</b> MV "Survey Tide" <b>Particulars:</b> LOA: 75m; Draft: 5m; GRT: 1,200mt, 7,500Hp; Ships Crew: 14; Vessel registered in Panama, Classed ABS <b>Candidates Position:</b> Senior Shift Surveyor & Relieving Party Chief <b>Candidates Responsibilities:</b> Responsible for mobilising, testing & calibrating all navigation and geophysical equipment. Assisted with pulse test on boomer and logging preparation samples for further onshore lab analysis <b>Survey Equipment Utilised:</b> Multibeam, Echosounder, Velocimeter, Side scan sonar, USBL system, Sub bottom profilers including pinger, boomer and sparker, Bottom sampler and Magnetometer <b>Number of Survey related Personnel on Vessel:</b> Including sub-contractors (not Ships Crew): 12 <b>Comments/Experience Gained:</b> <ol style="list-style-type: none"> <li>Analysis of tidal and oceanographic data for region of survey from recent and historic surveys. Cotidal chart compilation and stream study using satellite imagery data</li> <li>Checked historic field coordinates &amp; geodetic transformation values for identification of existing wellhead locations.</li> <li>Supervised &amp; checked digital data base and DTM for final report compilation</li> </ol>	<b>S-5B</b>
11/03/19	30/03/19	0		20			E3.1a-c, E3.2a – c)
31/03/19	03/04/19	4					<b>S-5A</b>
07/04/19	20/04/19				14		H4.1(a-b), H4.2a, H4.2c, H4.2d, 4.3(c-d)
21/04/19	26/04/19		6				F1.3(b-e), H1.2d
<b>Total Days<sup>6</sup></b>		8	6	20	14		H1.2 (a-e), H1.4(a-d), H1.5a, H2.4(a-d), H6.1(a-b), H5.2 (a-c), H5.3b, H5.4(a-c), H5.5(a-b), H6.2(b-e), H7.1(a-b), H7.3(a-c), H8.2(a-b)
<b>Notes:</b> <ol style="list-style-type: none"> <li>Include working days only.</li> <li>If Project particulars change during Project period, it is not necessary to renew the page unless significant changes occur. Note any changes in the Comments section</li> <li>Competencies Exercised relate to the foundation and Hydrographic Science units defined in IHO Publication S-5A Standards of Competence for CAT A Hydrographic Surveyors for Level 1 or the Essential Units defined in S-5B Standards of Competence for CAT B Hydrographic Surveyors for Level 2 (Appendix D to these Guidelines). S-5A or S-5B reference numbering is to be used.</li> <li>Platform may refer to fixed wing or helicopter remote sensing platforms and autonomous vehicles. Remote Operation of autonomous vehicles can be considered as 'Sea-time' only if it refers to setting up and operating the vehicle and survey system. It does not include processing the data.</li> <li>Senior Supervisor should be onsite however may be shore based.</li> <li><b>The number '0' must be between numbers for calculation to work. Refer to examples. Then right click on totals and select 'Update Field'</b></li> </ol>						<b>Senior Supervisor<sup>5</sup>:</b> <u>Rob Stokes</u> <b>Signature:</b> <i>R Stokes</i> <b>Position:</b> <u>Survey Project Manager</u> <b>Company:</b> <u>O&amp;G Marine Pty Ltd</u> <b>Date:</b> <u>20<sup>th</sup> May 2019</u>	

Candidate (Applicant): Jim Kirk.....

**Summary Totals of Logbook Days**

Only one 'Summary Totals of Logbook Days' should be provided. The summary is the total of multiple logbook 'Total Days' for the one applicant therefore, the example below is based on the final total of the two example sheets above.

<b>Field Survey / Office Days Category B</b>	<b>Field Survey / Office Days Category A</b>	<b>Sea-time Days Category B</b>	<b>Sea-time Days In Charge Category A</b>
8	16	20	32

# LOGBOOK OF PRACTICAL HYDROGRAPHIC SURVEYING EXPERIENCE S5 – Ed 11

(Example 3)

**Candidate (Applicant):** Jim Kirk

Dates (dd/mm/yy)		Consolidation of Category B and / or Category A syllabus level of knowledge				Description <sup>2</sup>	Competencies Exercised <sup>3</sup>
From	To	Field Survey / Office Days <sup>1</sup> Cat B	Field Survey / Office Days <sup>1</sup> Cat A	Sea-time Days Cat B	Sea-time Days In Charge Cat A		
06/03/07	08/03/07		3			<b>Project Name/Task:</b> West Channel Port Development <b>Location:</b> Seaforth Harbour <b>Vessel/Barge/Rig/Platform<sup>4</sup> Name:</b> SMB 'Dolphin' <b>Particulars:</b> LOA: 15m; Draft: 1m; GRT: n/a; Ships Crew: 2; Inshore survey/dive vessel (Class 2C). <b>Candidates Position:</b> Senior Surveyor / OIC on vessel <b>Candidates Responsibilities:</b> Responsible for mobilising testing and calibrating all navigation and geophysical equipment. All online navigation operations to meet job specifications. Assisted with divers' reconnaissance of cable crossings. <b>Survey Equipment Utilised:</b> Multibeam, Echosounder, Side scan sonar, Bottom sampler <b>Number of Survey related Personnel on Vessel:</b> <b>Including sub-contractors (not Ships Crew):</b> 2 dive personnel joined temporarily on 20 & 22 March 2007 <b>Comments/Experience Gained:</b> 6. Analysis of tidal data for region of survey from recent and historic surveys. 7. Checked historic field coordinates & geodetic transformation values for identification & integration of historic channel and seabed obstacles 8. Contouring seabed bathymetry & data processing. 9. Responsible for desk study on seabed sediment movement in port region particularly survey area with emphasis on future dredging works. 10. Initial volumes determination. 11. Responsible for final report, signed off by Survey Manager	O2.6, O2.1, O2.7, O2.5, O1.1, E4.1b, E4.2(a,b) O5.4  E3.2(h), E5.3(b)  E1.2 (a - f), E1.3(a,b), E1.4(a - d)  O7.6 O2.4, O7.2, O7.5 E3.1(b - e)
11/03/07	14/03/07		0		4		
15/03/07	16/03/07		2		0		
20/03/07	23/03/07		0		4		
26/03/07	29/03/07		0		4		
31/03/07	03/04/07		0		4		
05/04/07	06/04/07		0		2		
16/04/07	20/04/07		5				
<b>Total Days<sup>6</sup></b>		0	10	0	18		

**Notes:**

1. Include working days only.
2. If Project particulars change during Project period, it is not necessary to renew the page unless significant changes occur. Note any changes in the Comments section
3. Competencies Exercised relate to the foundation and Hydrographic Science units defined in IHO Publication S-5A Standards of Competence for CAT A Hydrographic Surveyors for Level 1 or the Essential Units defined in S-5B Standards of Competence for CAT B Hydrographic Surveyors for Level 2 (Appendix D to these Guidelines). S-5A or S-5B reference numbering is to be used.
4. Platform may refer to fixed wing or helicopter remote sensing platforms and autonomous vehicles. Remote Operation of autonomous vehicles can be considered as 'Sea-time' only if it refers to setting up and operating the vehicle and survey system. It does not include processing the data.
5. Senior Supervisor should be onsite however may be shore based.
6. **The number '0' must be between numbers for calculation to work. Refer to examples. Then right click on totals and select 'Update Field'**

**Senior Supervisor<sup>5</sup>:** Rob Stokes ..... **Signature:** *R Stokes*

**Position:** Survey Project Manager .....

**Company:** O&G Marine Pty Ltd .....

**Date:** .....

# LOGBOOK OF PRACTICAL HYDROGRAPHIC SURVEYING EXPERIENCE S5 – Ed 11

(Example 4)

Candidate (Applicant): **Jim Kirk**

Dates (dd/mm/yy)		Consolidation of Category B and / or Category A syllabus level of knowledge				Description <sup>2</sup>	Competencies Exercised <sup>3</sup>
From	To	Field Survey / Office Days <sup>1</sup> Cat B	Field Survey / Office Days <sup>1</sup> Cat A	Sea-time Days Cat B	Sea-time Days In Charge Cat A		
06/03/06	09/03/06	4				<p><b>Project Name/Task:</b> South Passage Geophysical Well Site &amp; Pipeline Route Survey  <b>Location:</b> NW Shelf Australia  <b>Vessel/Barge/Rig/Platform<sup>4</sup> Name:</b> MV "Survey Tide"  <b>Particulars:</b> LOA: 75m; Draft: 5m; GRT: 1,200mt, 7,500Hp; Ships Crew: 14; Vessel registered in Panama, Classed ABS  <b>Candidates Position:</b> Senior Shift Surveyor &amp; Relieving Party Chief  <b>Candidates Responsibilities:</b> Responsible for mobilising, testing &amp; calibrating all navigation and geophysical equipment. Assisted with pulse test on boomer and logging preparation samples for further onshore lab analysis  <b>Survey Equipment Utilised:</b> Multibeam, Echosounder, Velocimeter, Side scan sonar, USBL system, Sub bottom profilers including pinger, boomer and sparker, Bottom sampler and Magnetometer  <b>Number of Survey related Personnel on Vessel:</b> Including sub-contractors (not Ships Crew): 12  <b>Comments/Experience Gained:</b>                      4. Analysis of tidal and oceanographic data for region of survey from recent and historic surveys. Cotidal chart compilation and stream study using satellite imagery data                      5. Checked historic field coordinates &amp; geodetic transformation values for identification of existing wellhead locations.                      6. Supervised &amp; checked digital data base and DTM for final report compilation</p>	E4.1(c), E4.2(b,c), E4.3, E4.4, E4.5 E7.3(a)  E5.1 to E5.4(a) E3.1(a) to E3.2(a) E3.2(e) to E3.4 O4.4, O4.5 E1.1(a to c), E1.1(f,g)E1.2(a to g) E1.3(a,b) E1.4(a to d) E1.5(b,c) O3.1  E2.1 to E2.5(c) E6.2, E6.2(a) E6.2(f) to E6.3(c)
11/03/06	30/03/06	0		20			
31/03/06	03/04/06	4					
07/04/06	20/04/06				14		
21/04/06	26/04/06		6				
<b>Total Days<sup>6</sup></b>		8	6	20	14		

<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. Include working days only.</li> <li>2. If Project particulars change during Project period, it is not necessary to renew the page unless significant changes occur. Note any changes in the Comments section</li> <li>3. Competencies Exercised relate to the foundation and Hydrographic Science units defined in IHO Publication S-5A Standards of Competence for CAT A Hydrographic Surveyors for Level 1 or the Essential Units defined in S-5B Standards of Competence for CAT B Hydrographic Surveyors for Level 2 (Appendix D to these Guidelines). S-5A or S-5B reference numbering is to be used.</li> <li>4. Platform may refer to fixed wing or helicopter remote sensing platforms and autonomous vehicles. Remote Operation of autonomous vehicles can be considered as 'Sea-time' only if it refers to setting up and operating the vehicle and survey system. It does not include processing the data.</li> <li>5. Senior Supervisor should be onsite however may be shore based.</li> <li>6. <b>The number '0' must be between numbers for calculation to work. Refer to examples. Then right click on totals and select 'Update Field'</b></li> </ol>	<p><b>Senior Supervisor<sup>5</sup>:</b> <u>Rob Stokes</u>      <b>Signature:</b> <u>R. Stokes</u></p> <p><b>Position:</b> <u>Survey Project Manager</u></p> <p><b>Company:</b> <u>O&amp;G Marine Pty Ltd</u></p> <p><b>Date:</b> <u>20<sup>th</sup> November 2006</u></p>
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Candidate (Applicant): Jim Kirk.....

**Summary Totals of Logbook Days S5 – Ed 11**

Only one 'Summary Totals of Logbook Days' should be provided. The summary is the total of multiple logbook 'Total Days' for the one applicant therefore, the example below is based on the final total of the two example sheets above.

<b>Field Survey / Office Days Category B</b>	<b>Field Survey / Office Days Category A</b>	<b>Sea-time Days Category B</b>	<b>Sea-time Days In Charge Category A</b>
8	16	20	32