Annexure A

LEARNERSHIP REGISTRATION FORM

Documents accompanying this application form include:

- Curriculum of Diploma;
- On Board Training Record Book.

Learnership Code: _____
(To be completed by the Department of Labour)

1. Information pertaining to the SETA

1.1 Name of SETA: **Transport**

1.2 Name of Chamber (if applicable): **Maritime**

1.3 Name of SETA official responsible for learnerships: **June Govender**

1.4 SETA's telephone number: **011 781 1280**

1.5 SETA's fax number: **011 504 9151**

1.6 SETA's postal address: **Transport Education & Training Authority**

Private Bag X10016

Randburg 2125

1.7 SETA's e mail address: **june@teta26.co.za**

2. Learnership information

2.1 Title of the Learnership Qualification: **National Diploma in Marine Engineering – Mechanical level 6**

2.2 NQF field: **Services**

2.3 NQF sub-field: **Maritime Operations**

2.4 NQF level: **06**

2.5 Number of credits to be earned: **382 credits**

2.6 Date of registration of the qualification on the NQF (if registered) and code and number of the qualification: **SAQA I/D 16428 registered by Committee of Technikon Principals in 2000**

2.7 Date of application to SAQA for registration of the qualification (if not registered):

2.8 Name of ETQA responsible for quality assuring the qualification: **Primary accreditation (i.e. institutional) with the Council of Higher Education (CHE) and secondary accreditation (i.e. programme approval) with the Transport SETA ETQA**

3. Learnership identification

3.1 How did the SETA identify the need for this learnership?

- [√] SETA sector skills plan
- [ ] Skills plans from "adjacent" SETAs
- [√] Generally available research (specify) **BIMCO / ISF Manpower Survey**
- [ ] SETA commissioned research
- [ ] Workplace skills plans
- [ ] Other (specify)

3.2 What were the key features in the plans, or findings in the research? Please draft a summary of the plans or research.

INTERNATIONAL RESEARCH

Key features in research undertaken jointly by the International Shipping Federation (ISF) and the Baltic and International Maritime Council (Bimco) produced in 2000, include:

- **Global supply of 404 000 and demand for 420 000, indicating a global shortage of 16 000 officers (i.e. 4% of total officer pool)**
- **Global shortage was forecast to increase to 46 000 by 2010**
- **An increased future demand for qualified seafarers can only be accommodated if recruitment and training are increased.**

SECTOR SKILLS PLAN

Based on the international research, the Maritime sector's Chamber Skills Plan reflect, amongst other things:

- **That evolutionary changing nationality of seafarers – away from the traditional European nations towards the Far East, Indian and Eastern European nations. With a strong maritime tradition and unemployment pool in SA, the local sector is well positioned to benefit from the global changes**
- **South Africa's "white list" status on the International Maritime Organisation, together with its history of high-quality maritime education, provides the nation with a competitive advantage in global seafarer manning.**

Locally, the maritime sector is a small industry that primarily trains officers to meet the manpower and succession needs of the merchant navy, salvage and towage operations and port authorities.

- **Current supply of trainee officers (both navigation & engineering) through the technikons is approximately 120 learners per annum**
- **Based on current manning / succession needs, demand from local companies can accommodate and provide experiential training to approximately 40 learners per annum**
- **Various partnerships with international shipping companies to recruit SA trainees have already been formed. These, together with numerous industry initiatives to establish further partnerships, are**

aimed at ensuring that all trainee officers acquire accredited seatime.

4. Qualification and Unit Standards

Title	Code	NQF Level	Credit value	Percentage of assessment at: Workplace Provider	Training Provider
DIPLOMA IN MARITIME STUDIES: ACADEMIC MODULES					
Electrotechnology 1	**16428**	**6**	**6**	**0**	**100**
Mathematics 1	**16428**	**6**	**9**	**0**	**100**
Mechanical Engineering Drawing 1	**16428**	**6**	**9**	**0**	**100**
Mechanics 1	**16428**	**6**	**9**	**0**	**100**
Fluid Mechanics 2	**16428**	**6**	**12**	**0**	**100**
Thermodynamics 2	**16428**	**6**	**10**	**0**	**100**
Legal Knowledge 1	**16428**	**6**	**7**	**0**	**100**
Marine Engineering Knowledge 1 (General)	**16428**	**6**	**16**	**0**	**100**
Marine Engineering Knowledge 1 (Motor)	**16428**	**6**	**16**	**0**	**100**
Naval Architecture 1	**16428**	**6**	**12**	**0**	**100**
Computer Skills 1	**16428**	**6**	**3**	**0**	**100**
Communication	**16428**	**6**	**3**	**0**	**100**
Electrotechnology 2	**16428**	**6**	**6**	**0**	**100**
Mechanics of Machines 2	**16428**	**6**	**6**	**0**	**100**
Strengths of Materials 2	**16428**	**6**	**9**	**0**	**100**
Marine Engineering Knowledge 2 (General)	**16428**	**6**	**11**	**0**	**100**
Marine Engineering Knowledge 2 (Motor)	**16428**	**6**	**11**	**0**	**100**
Naval Architecture 2	**16428**	**6**	**8**	**0**	**100**
Electrotechnology 3	**16428**	**6**	**12**	**0**	**100**
Mechanics of Machines 3	**16428**	**6**	**13**	**0**	**100**
Strengths of Materials 3	**16428**	**6**	**8**	**0**	**100**
Thermodynamics 3	**16428**	**6**	**11**	**0**	**100**
Marine Engineering Knowledge 3 (General)	**16428**	**6**	**11**	**0**	**100**
Marine Engineering Knowledge 3 (Motor)	**16428**	**6**	**11**	**0**	**100**
Naval Architecture 3	**16428**	**6**	**11**	**0**	**100**
Costing 2	**16428**	**6**	**6**	**0**	**100**
Computer Aided Draughting	**16428**	**6**	**8**	**0**	**100**
DIPLOMA IN MARITIME STUDIES: SEATIME					
Phase 1: 183 days seatime (cadet record book	**16428**	**6**	**64**	**100**	**0**
Phase 2: 183 days seatime (cadet record book	**16428**	**6**	**64**	**100**	**0**
DIPLOMA IN MARITIME STUDIES: REGULATORY (SAMSA) PRE SEA TRAINING					
Basic Training / Familiarisation	**N/A**	**N/A**	**N/A**		

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First Aid at Sea	**N/A**	**N/A**	**N/A**		
Fire Fighting	**N/A**	**N/A**	**N/A**		
Advanced Fire Fighting	**N/A**	**N/A**	**N/A**		
Oiler	**N/A**	**N/A**	**N/A**		
Proficiency in Survival Craft	**N/A**	**N/A**	**N/A**		
Tanker Familiarisation (if applicable)	**N/A**	**N/A**	**N/A**		

5. Credits

	Total credits to be earned through:	Show credits as a % of the total credits of the qualification
Workplace assessment	128	34%
Structured learning	254	66%

Specify the nature and duration of work experience required for each credit that is to be assessed at the workplace

Nature (Tasks/Functions)	Time (in notional hours)
Use appropriate tools for fabrication and repair operations typically performed on ships	**116**
Use hand tools and measuring equipment for dismantling, maintenance, repair and re-assembly of shipboard plant and equipment	**116**
Use hand tools, electrical and electronic measuring and test equipment for fault finding, maintenance and repair operation	**102**
Maintain a safe engineering watch	**116**
Use English in written and oral form	**64**
Operate main and auxiliary machinery, and associated control systems	**89**
Operate pumping systems and associated control systems	**89**
Operate alternators, generators and control systems	**76**
Maintain engineering systems, including control systems	**192**
Ensure compliance with pollution prevention requirements	**89**
Maintain seaworthiness of the ship	**89**
Prevent, control and fight fires on board	**26**
Operate life-saving appliances	**26**
Apply medical first aid on board	**26**
Monitor compliance with legislative requirements	**64**

6. Grant to the employer

Specify and explain the amount the SETA grants for the implementation of the learnership, per NQF level, having regard to such factors as training costs, market demand, the employment status of learners (i.e. section 18(1) or 18(2) learners) and equity targets. Specify if any other factors have been taken into account in determining the level of subsidy.

The maximum amount payable to employers is determined with reference to training requirements of the learner (see table below). The values were established by TETA: Maritime after researching the actual costs of seafarer training and established to find a fair, equitable and attractive funding mechanism for training. Grants are claimed annually in advance.

FUNDING MODEL FOR LEARNERSHIP TRAINING

YEAR 1: ACADEMIC STUDIES	AVERAGE TRAINING COST	TOTAL FUNDING
Semester 1	6,235.00	
Semester 2	6,500.00	12,735.00

YEAR 2: ACADEMIC STUDIES	AVERAGE TRAINING COST	TOTAL FUNDING
Semester 3	6,500.00	
Semester 4	6,765.00	13,265.00

YEAR 1: SEATIME (NON-TANKERS)	AVERAGE TRAINING COST	TOTAL FUNDING
Fire Fighting	1,790.00	
First Aid at Sea	780.00	
Basic Training / Familiarisation	3,673.00	
Taskbooks	1,325.00	
Learner Allowance (@ 12 months)	9,600.00	17,167.29

YEAR 1: SEATIME (TANKERS)	AVERAGE TRAINING COST	TOTAL FUNDING
Fire Fighting	1,790.00	
First Aid at Sea	780.00	
Basic Training / Familiarisation	3,673.00	
Tanker Familiarisation	1,550.00	
Taskbooks	1,325.00	
Learner Allowance (@ 12 months)	9,600.00	18,717.29

YEAR 2: SEATIME (ALL VESSELS)	AVERAGE TRAINING COST	TOTAL FUNDING
PISC	2,022.00	
Workshop Training	17 757.00	
Advanced Fire Fighting	1,375.00	
Learner Allowance (@ 12 months)	9,600.00	18,895.88

7. Grant towards learner allowances

Specify the amount the SETA allocates to subsidise the learner allowances for learners who were not employed by the employer when the agreement was concluded, as provided for in section 18(2) of the Act.

Credits earned	0 - 120	121 - 240	241 - 360	361 – 480
Learner Allowance			**R800 p/month**	

Section 18 (2) learner allowances are payable only in respect of the learners experiential learning (i.e. the learner's seatime commitments). No subsidy will be payable while the learner is receiving academic (theoretical) learning.