

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Ground crew Examining Board (GEB)
Air Force Station Chandigarh
Chandigarh- 160003

Name and contact details of individual dealing with the submission

Name : Group Captain CR Sreeji VSM

Position in the organisation : Commanding Officer, GEB

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List of documents submitted in support of the Qualifications File

1. Curriculum and Orientation class cum continuity Training under On Job Training (OJT) as Annexure I
2. Blue Print of Examination as Annexure II
3. Air Force Order (AFO) 57/2015 specifying the role of Ground Training Instructor Annexure III

SUMMARY

1. Qualification Title	SGT : Ground Training Instructor
2. Qualification Code	IAF/GTI/112
3. NCO Code and Occupation	3422.9900, Sports Coaches & officials; 3423.9900, Fitness and recreational program leader
4. Nature and purpose of the qualification	A trade and rank certification for the Air Warriors with adequate knowledge and skill to perform the duties and responsibilities of Sgt in GTI trade in the Adventure and Sports Section of Air Force Units/Station.
5. Body/bodies which will award the qualification	Regional Examining Board (Z) [REB(Z)]) & Ground crew Examining Board (GEB)
6. Body which will accredit providers to offer courses leading to the qualification	Directorate of Training, Air Headquarters
7. Whether accreditation/affiliation norms are already in place or not (if yes, attach a copy)	N/A as specific to Defence Forces
8. Occupation(s) to which the qualification gives access	Sergeant of Ground Training Instructor
9. Job Description of the Occupation	To lead the team of GTIs for organising sports and physical activities. For details refer Annexure- III
10. Licensing requirements	N/A
11. Statutory and regulatory requirements of the relevant sector (documentary evidence to be provided)	Air Force Act, Air Force Regulations, Air Force Orders
12. Level of the qualification in the NSQF	6

<p>13. Anticipated volume of training/learning required to complete the qualification</p>	<p>600 hrs of training consisting of:- (a) Theory (Orientation Classes cum Lecture) Classes and Test/exam on various topics are conducted regularly and assessed by the Senior Accountant Officer (S Accts O). (b) On Job Practical to develop the practical knowledge and Skill is conducted on daily basis under the guidance of superiors. Details of On Job Training are:-</p> <table border="1" data-bbox="526 533 1268 913"> <thead> <tr> <th>Sl. No.</th> <th>Type of Training</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>(i)</td> <td>Theory</td> <td>28 Hrs</td> </tr> <tr> <td>(ii)</td> <td>Continuity Training</td> <td>300 Hrs</td> </tr> <tr> <td>(iii)</td> <td>Practice</td> <td>172 Hrs</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td>600 Hrs</td> </tr> </tbody> </table>	Sl. No.	Type of Training	Duration	(i)	Theory	28 Hrs	(ii)	Continuity Training	300 Hrs	(iii)	Practice	172 Hrs	Total		600 Hrs
Sl. No.	Type of Training	Duration														
(i)	Theory	28 Hrs														
(ii)	Continuity Training	300 Hrs														
(iii)	Practice	172 Hrs														
Total		600 Hrs														
<p>14. Indicative list of training tools required to deliver this qualification</p>	<p>Classroom with modern AV aids, Types of Exercises, Training of Arms Drill, Handling of all kind of Weapons Simulator Firing, computing appliances. Fire Arms, Firing Range, Ground for Training Infrastructure.</p>															
<p>15. Entry requirements and/or recommendations</p>	<p>Qualification: (i) Should have passed SPE (ii) 13 yrs of service</p>															
<p>16. Progression from the qualification</p>	<p>Job Progression Sgt*→JWO*→WO→MWO *Subject to clearing, promotion exam for Sergeant (Sgt) and Junior Warrant Officer (JWO) called as Sergeant Promotion Exam (SPE) and Junior Warrant Officer Promotion Exam (JPE) respectively.</p>															
<p>17. Planned arrangements for the Recognition of Prior learning (RPL)</p>	<p>N/A, as each stage is complete</p>															
<p>18. International comparability where known</p>	<p>Not known</p>															
<p>19. Date of planned review of the qualification.</p>	<p>Every 5 yrs /earlier in case of change in training syllabus pattern.</p>															

20. Formal structure of the qualification			
Title of component and identification code.	Mandatory/ Optional	Estimated size (learning hours)	Level
1. Games and sports in IAF IAF/GTI/112/01	M	60	6
2. PT syllabus for all personnel, conduct of PT for officers and cadets and also conduct of PFR test for them. IAF/GTI/112/02	M	70	6
3. Drill syllabus for all personnel and conduct of classes in drill for all trades and ranks which includes officers and cadets. IAF/GTI/112/03	M	50	6
4. Defence training for Officers. IAF/GTI/112/04	M	60	6
5. Field craft training camps. IAF/GTI/112/05	M	70	6
6. Organising range firing for all ranks as per range orders and knows the duties of various range personnel and also act as SNCO i/c range firing, if required. IAF/GTI/112/06	M	50	6
7. General administration, maintenance of records, submission of returns and holding of inventories. IAF/GTI/112/07	M	60	6
8. Sports, games and tournaments in the station. IAF/GTI/112/08	M	60	6
9. Procedure of trade testing. IAF/GTI/112/09	M	60	6
10. DPM-2009 for procurement of equipment/sports gear. IAF/GTI/112/10	M	60	6
TOTAL		600	

21. Body/Bodies which will carry out assessment:

There are two bodies, which carry out the assessment:

1. Officer In-charge (O I/c) is responsible for testing for Continuity Training.
2. Regional Exam Board (Zonal) REB (Z) is responsible for gauging the skill & knowledge acquired by the air warrior

22. How will RPL assessment be managed and who will carry it out?

N/A

23. Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.

Assessment at Units is carried out by O I/c Sports Section

Assessment will be done by independent REB (Z) to assess the skill acquired by Airwarrior.

The field units and the boards have all necessary infrastructure and pool of qualified Examiners and Assessors to carry out detailed assessments.

REB (Z) uses all the modern trends like Online Testing and Evaluation System (OTES) for conducting the exams, evaluation and in-depth analysis of the result. The exams are conducted in the following manner:-

- (a) Written Exams on the theory part of curriculum, which is divided into three categories (factual, comprehension, application), are conducted on OTES platform for testing the knowledge of Air warrior in his trade.
- (b) Practical Exam is used to test the:-
 - (i) Professional Skill
 - (ii) Core Skill of the Air warrior
- (c) Viva Voce is used to gauge the overall knowledge of the Air warrior.

SECTION 1

24. ASSESSMENT EVIDENCE

Title of Component:

Outcomes to be assessed	Assessment criteria for the outcome
1. Sports and physical fitness.	1. A detailed knowledge of all the subjects of Cpl and thorough knowledge of Indian Air Publication (IAP) 4801.
2. PT syllabus for all personnel, conduct of PT for officers and cadets and also conduct of PFR test for them.	2. Knowledge of latest development in the field of PT, sport and games, and adoption of new techniques. Procedure for Physical Fitness Run (PFR) test.
3. Drill syllabus for all personnel and conduct of classes in drill for all trades and ranks which includes officers and cadets.	3. Must be able to have <ul style="list-style-type: none"> (a) Thorough knowledge of manuals, AFOs/AFIs and various procedures of ceremonial parades (b) Thorough knowledge of inter services Guard of Honour procedures. (c) Training of personnel to carry out proactive firing on small arms simulator.
4. Defence training for Officers.	4. Defence training syllabus of all ranks. Care and maintenance of small arms in details.

5. Field craft training camps.	5. Knowledge of setting up of Field Craft Training Camp (FCTC) and various requirements.
6. Organising range firing for all ranks as per range orders and knows the duties of various range personnel and also act as SNCO i/c range firing, if required.	6. Knowledge of range orders.
7. General section administration, maintenance of records, submission of returns and holding of inventories.	7. Knowledge of layout of various letters in use and orders on inventory control.
8. Training of all personnel for sports, games and tournaments in the station.	8. Thorough knowledge of organising major and minor games competitions, such as matches in boxing, wrestling, swimming, golf, shooting, tabloid sports and recreational training.
9. Procedure of trade testing.	9. Knowledge of Trade Testing Regulations.
10. DPM-2009 for procurement of equipment/sports gear.	10. Meaningful involvement in procurement of equipment/sports gear in accordance with DPM-2009.

Means of assessment 1

There are two types of Assessments viz. Formative and Summative.

- (a) The Formative Assessment is carried out continuously during the conduct of OJT and Continuity Training conducted by Adventure and Sports Officer.
- (b) Summative Assessment is carried out by REB (Z).

Details are mentioned under means of Assessment-2. Written test, Practical examination/ Skill test & Viva voce

Means of assessment 2

1. Examination will be conducted by Ground crew Examining Board and Regional Examining Board (Zonal) on general education and trade proficiency respectively.
2. Online exams on the theory part of curriculum, which is divided into three categories (Factual, Comprehension and Application based question), are conducted on OTES platform for testing the knowledge of Air warriors in his trade and General Education.
3. Marks allotted for each paper is:-

(a) System Theory on General Education (50 MCQs)	: 50 Marks
(b) Written test for Trade Skills component (50 MCQs)	: 50 Marks
(c) Practical Exam (100 Marks) divided in two parts:-	
(i) On Job practical in Range, Physical Test, Small Arm Training, Arms Drill	: 75 Marks

(ii) Viva-voce	: 25 marks
<p>Pass/Fail</p> <p>The minimum qualifying standard is 50% marks in each part and 60% in aggregate of all parts of Theory/Practical Exam conducted by REB (Z). Those who score 80% and above are declared as Skill grade 'A'.</p> <p>Should pass within three attempts.</p>	

SECTION 2

25. EVIDENCE OF LEVEL

OPTION 'A'

Title/Name of qualification/component: Sergeant of Ground Training Instructor (GTI)			
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
Process	Air Warrior carries out duties and responsibility of Ground Training Instructor in Adventure and Sports Section confidently and guides subordinates on assigned tasks.	Air Warrior is able to identify the issues pertaining to ceremonial parades, range firing, ground defence, physical training, sports and games. He is able to recognise the cause of problems and resolve them by himself or in a team.	6
Professional knowledge	<ol style="list-style-type: none"> 1. Air Warrior exhibits sound knowledge of the Ground Training Instructor Trade. 2. Thorough knowledge of manuals, AFOs/AFIs and various procedures of ceremonial parades including inter services Guard of Honour procedures. 3. Exhibits sound knowledge of various sports equipment including gymnasium equipment. 	With substantial experience of 08 Yrs and having undergone In-Service Course, the Air Warrior gains sound knowledge of the Adventure and Sports Section affairs. He is aware of all the procedures, which are in vogue for the smooth functioning of the section. He is able to conduct range firing for all ranks as per range orders and understands the duties of various range personnel and also acts as SNCO IC range firing, if required. At this stage, he has gained the knowledge of latest developments in the field of PT and games, sports and he adopts new techniques as well as procedures for PFR test. He has	6

		good understanding of the Aerospace, Maintenance and ground safety aspects.	
Professional skill	Ability to grasp the problem, understand the consequences and take appropriate action to defuse it	The Air Warrior is able to recognise the cause of problem and understand the likely consequences. He is confident of Initiating corrective measures on his own and inform about its outcome to seniors.	6
Core skill	Ability to display good public speaking traits, communicate well with all personnel of the Unit/Station. Ability to comprehend all polices and orders in Hindi, English and local language and communicate well for its implementation. Ability to handle computer and office desk jobs with fair amount of ease.	During the In-Service Course, the Air Warrior undergoes extensive practice on public speaking and he is able to show good communication skills, further enhance his computer knowledge by undergoing courses. He is able to handle personal banking and guide his subordinates and he has good understanding of social as well as natural environment.	6
Responsibility	Ability to carry out the Adventure and Sports Section duties with ease.	He will be responsible to plan and organise sports and physical fitness activities with the help of his team of GTIs. He is responsible for work output and development of his team.	6

SECTION 3

EVIDENCE OF NEED

26. What evidence is there that the qualification is needed?

IAF has approx 1.3 Lakh personnel's on its strength. In order to keep all personnel physically and mentally fit, it is required that all the personnel are motivated to participate physically in PT and Games. The physical standards of the personnel can be maintained, if there are proper trained Ground Training Instructors. After the JBPT, the TPT course provides the recruit with in depth knowledge to become a good GTI with a sound knowledge on yoga, methodology required in cross country runs, conduct of various games, drill movements, range firing, ground defence and PT. Apart from this, they are also taught to conduct rating tests for all personnel in the AF stations/ Bases.

What is the estimated uptake of this qualification and what is the basis of this estimate?

Is based on the cadre and actual figures cannot be revealed.

27. Recommendation from concerned Line Ministry of Govt/Regulatory Body. To be supported by documentary Evidences

The trade has been cleared by MoD and notification to the same effect is confidential in nature.

28. What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF?

This qualification is especially tailor made to suit the specific AF requirements. In some parts it does have some similarity with civilian Physical Trainer.

29. What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?

IAF has a well defined Directorates responsible for monitoring both the training and testing aspects. **Directorate of Training** is responsible for ensuring that right training is imparted to the recruits. The syllabus is based on various studies and feedback received from field units/ REB (Z).

Directorate of Education is responsible for Trade Testing and Evaluation of the knowledge and skill level of the air warriors passing out from the training institute and their performance in field units.

This qualification will be reviewed and revised at an interval of five years or earlier, in case of change in syllabus based on the feedback from field Units/REB(Z).

SECTION 4

EVIDENCE OF PROGRESSION

30. What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

A Corporal (cpl) with 08 Years of service becomes eligible for appearing for his next promotion exam called Sergeant Promotion Exam (SPE). During this period he also undergoes on job and continuity training on various aspects of the Sports and physical fitness in the field Units. On successful completion of SPE, Cpl gets promoted to Sergeant (Sgt) as per new policy in vogue; ACRs have been linked to skill levels. So, he will be motivated to enhance his skill levels and get them tested by appearing for Skill Gradation Test (SGT) conducted by REB (Z).

Cpl→Sgt*→JWO*→WO→MWO

*Subject to clearing promotion exam for Sgt and JWO called as SPE and JPE.

OJT SYLLABUS FOR IMPLEMENTATION AT UNITS
SUMMARY

ON JOB TRAINING (28 PERIOD)					
INDEX NO	SUBJECT	T	D	P/OJI	TOTAL
GTI/T1/FD/1.7	Dismissing and falling out and falling in open order and close order march	0	0	1	1
GTI/T1/FD/1.10	Marching in quick time and halt	0	0	1	1
GTI/T2/FD/1.1	Marking time from quick march and forward	0	0	1	1
GTI/T2/FD/1.3	Marching in slow time and halt	0	0	1	1
GTI/T2/FD/1.5	Change step on the march	0	0	1	1
GTI/T1/AD/2.8	Present arms from shoulder arms and vice versa	0	0	1	1
GTI/T1/AD/2.9	Rest on the arms reverse from present arms	0	0	1	1
GTI/T1/AD/2.10	Present arms from rest on the arms reverse	0	0	1	1
GTI/T1/CD/3.1	Ceremonial parade procedure	0	0	1	1
GTI/T1/CD/3.2	H/o and t/o parade procedure	0	0	1	1
GTI/T1/CD/3.4	Guard of honour	0	0	1	1
GTI/T1/CD/3.6	Wreath laying at war memorial	0	0	1	1
GTI/T1/CD/3.8	Funeral parade procedure	0	0	1	1
GTI/T1/CD/3.9	Hollow square	0	0	1	1
GTI/T1/SAT/4.4	Characteristics and nomenclature of INSAS rifle	0	0	1	1
GTI/T1/SAT/4.5	Stripping and assembling of INSAS rifle	0	0	1	1
GTI/T1/SAT/4.7	Characteristics and nomenclature of INSAS LMG	0	0	1	1
GTI/T1/SAT/4.9	Characteristics and nomenclature of Sten MC	0	0	1	1
GTI/T1/SAT/4.12	Characteristics and nomenclature of 9 mm auto pistol	0	0	1	1
GTI/T1/RF/5.1	Range firing procedure	0	0	1	1
GTI/T1/FCT/6.1	Tent pitching and lay out camp site	0	0	1	1
GTI/T1/FCT/6.3	On Guard and Hip Firing	0	0	1	1
GTI/T2/FCT/6.6	Introduction to night work and Duties of night sentries and Guard challenging procedure.	0	0	1	1
GTI/T2/G&S/9.7	Organizing of sports meet at Unit/Stn	0	0	1	1

Approved in 20th NSQC, 09.04.18

GTI/T1/SWM/10.3	Military value of swimming and swimming pool hygiene	0	0	1	1
GTI/T1/SWM/10.4	Pool discipline and safety rules	0	0	1	1
GTI/T1/T1/17.1	Introduction to modern Gym & purpose of Multi Gym. Introduction of weight training and advantage of weight training	0	0	1	1
GTI/T2/MPT/17.1	Mass PT	0	0	1	1
	Total	--	--	28	28

NSQC Approved

BLUE PRINT OF SERGEANT

REGIONAL EXAMINING BOARD (RORTS)
BLUE PRINT: SPE (ATT) SYSTEM THEORY

TRADE : GTI
SYSTEM : GIH

TIME : 30 Minutes
MARKS : 30 MARKS

SL. NO.	SUBJECT	TRAINING HOURS			WEIGHTAGE OF MARKS	MULTIPLE CHOICE QUESTIONS			G/M
		THEORY	THEORY DEMO	TOTAL		FACT	COMP	APPL	
01	Foot Drill/Arms Drill (NSAS) and Sten MC Movements	130	-	130	3.45	02	05	03	18/03
02	Ceremonial Parade/Method of Instructions	93	-	93	6.73	02	03	02	07/07
03	Small Arms Training/Range Firing/Small Shooting (NSAS) Rifle, LMG, 12 Bore Shot Gun, Sten MC and 8 MM Pistol	57	-	57	8.35	01	01	02	06/06
04	Field Craft Training/Canteen Control	66	-	66	4.82	01	03	01	06/06
05	Racquet PT Table/Yoga	45	-	45	3.36	01	01	01	05/05
06	Anatomy and Physiology/PFR/Multi Gym Exercises	18	-	18	1.82	-	-	-	01/01
07	Gaiting and Sports/Swimming/Athletics/Cross Country/Bowling	109	-	109	7.88	02	04	02	08/08
08	Volunteering and Agility/Team and Rope/Obstacle Training	89	-	89	5.04	01	03	01	06/06
09	Computer	15	15	31	2.16	01	01	-	02/02
10	Aerospace Safety	-	-	-	01.00	-	-	01	01/01
11	SMACK'S	-	-	-	02.00	01	-	01	02/02
		628	16	644		12	26	15	50/50

Note: Syllabus approval authority is not available. Blue Print is prepared as per the syllabus available with this Board and as per existing (old) approved Blue Print for revalidation.

Prepared by: *[Signature]*
(Sonia Ram)
JWO
Examiner
30 Mar 15

Checked by: *[Signature]*
(Prashant Patil)
Sgt Ldr
VP (A)
30 Mar 15

Validated by: *[Signature]*
(T. Anus Chakraborty)
Wg Cdr
CO
31 Mar 15

Approved by: *[Signature]*
(R. K. Bhalerao)
The acting Commander
and official Commanding Officer
of the Regional Examining Board
01 Apr 15

For action at Air HQ
Approved/Not Approved:

[Signature]
24 Apr 15

NSQC

ROLE OF LEADING SERGEANT (GROUND TRAINING INSTRUCTOR) AS PER AIR FORCE ORDER 57/2015

<u>SERGEANT</u>	
<p>Undertake the entries range of work of Corporal in addition: -</p> <p>(a) Compile PT syllabus for all personnel, conduct PT for officers and cadets and conduct PFR test for them.</p> <p>(b) Compiling of drill syllabus for all personnel and conducting classes in drill for all officers and cadets.</p> <p>(c) Defence training for officers.</p> <p>(d) Assists in Field service training camps.</p> <p>(e) Organising range firing for all ranks as per range orders and duties of various range personnel and also act as SNCO i/c range, if required.</p> <p>(f) General section administration, maintenance of records and submission of returns; holding of inventories.</p> <p>(g) Training of all personnel in sports, games and tournaments within the station.</p> <p>(h) Undertakes trade testing.</p>	<p>A detailed knowledge of all the subject of Cpl and in addition: -</p> <p>(a) Knowledge of latest development in the field of PT and games, sports and adoption of new techniques. Procedure for PFR test.</p> <p>(b) (i) Thorough knowledge of manuals, AFOs/AFIs and various procedures of ceremonial parades including inter service parade procedure. (ii) Train personnel to carry out proactive firing on small arms simulator.</p> <p>(c) Defence training syllabus of all rank, care and maintenance of small arms in details.</p> <p>(d) Knowledge of setting up of field service training camp and various requirements.</p> <p>(e) Knowledge of range orders.</p> <p>(f) Knowledge of layout of various letters in use and orders on inventory control</p> <p>(g) Thorough knowledge of organising major and minor games, competitions, such as matches, boxing, wrestling, swimming, goal, shooting competition, tabloid sports and recreational training.</p> <p>(h) Trade testing regulation.</p>