

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Groundcrew Examining Board (GEB)
Air Force Station
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List of documents submitted in support of the Qualifications File

1. Curriculum and training contents for Continuity Training Annexure - I
2. Air Force Order (AFO) 57/15 Annexure – II
specifying the role of IAF(G) in Garud Force
3. Blue Print of Junior Warrant Officer Promotion Exam (JPE) Annexure - III

SUMMARY

1. Qualification Title	JWO/WO/MWO : Indian Air Force (Garud)
2. Qualification Code	IAF/Sec(G)/123
3. NCO Code and Occupation	1324.1200, Human Resource Manager; 1213.9900, Manager other services; 2320.0101, Certified Training Assessor.
4. Nature and purpose of the qualification	A trade and rank certification of the air warriors who have attained exceptional knowledge and skill to work as mission leader of special forces of IAF.
5. Body/bodies which will award the qualification	Regional Examining Board (Z) & Groundcrew Examining Board (GEB)
6. Body which will accredit providers to offer courses leading to the qualification	Directorate of D Ops(Garud), 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	Warrant Rank, Spl Forces of IAF
9. Job Description of the Occupation	Mission leader during special operations. Details placed at Annexure-II
10. Licensing requirements	Service Driving License (SDL) issued by Mechanical Transport (MT) Section
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	7
13. Anticipated volume of training/learning required to complete the qualification	800 hrs of training comprises of:- (a) Theory (Orientation Classes cum Lecture) Classes and Test/exam on various topics are conducted regularly and assessed by Specialist officer.

	<p>(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"> <thead> <tr> <th>Sl. No</th> <th>Type of Training</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>(i)</td> <td>Orientation Classes cum Lecture</td> <td>150</td> </tr> <tr> <td>(ii)</td> <td>Continuity Training</td> <td>650</td> </tr> <tr> <td colspan="2">Total Hours</td> <td>800</td> </tr> </tbody> </table>	Sl. No	Type of Training	Hours	(i)	Orientation Classes cum Lecture	150	(ii)	Continuity Training	650	Total Hours		800
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(i)	Orientation Classes cum Lecture	150											
(ii)	Continuity Training	650											
Total Hours		800											
14. Indicative list of training tools required to deliver this qualification	Fire arms (Pistol, carbine, rifle, etc), hand to hand combat infrastructure, Firing range, Vehicles (2 wheeler, LMV, HMV), Sand model, Simulator for range and Classroom with modern AV aid.												
15. Entry requirements and/or recommendations	Qualification: (i) Should have passed JPE (ii) 19 yrs of service												
16. Progression from the qualification	Job Progression JWO*→WO→MWO *Subject to clearing promotion exam for Junior Warrant Officer (JWO) called as Junior Warrant Officer Promotion Exam (JPE)												
17. Planned arrangements for the Recognition of Prior learning (RPL)	N/A												
18. International comparability where known	Not known												
19. Date of planned review of the qualification.	Every 5 yrs /earlier in case of change in training syllabus pattern.												

20. Formal structure of the qualification			
Title of component and identification code.	Mandatory/ Optional	Estimated size (learning hours)	Level
(a) Knowledge for the role of Supervisor for excising full control over the Garud Flight IAF/Sec(G)/123/01	M	400	7
(b) Fundamentals for collection of information and dissemination of combat intelligence for undertaking a mission IAF/Sec(G)/123/02	M	200	7
(c) Undertake trade testing and instructional duties IAF/Sec(G)/123/03	M	200	7
TOTAL		800	

SECTION 1 **ASSESSMENT**

21. Body/Bodies which will carry out assessment:

There are three bodies, which carry out the assessment:

1. Commanding Officer of Garud Flight/Flight Chief of Garud Flight/G1 (WO IC Training & Operations)/ G2 (WO IC Intelligence)/ G3 (WO IC Logistic and Maint) are responsible for testing for OJT and Continuity Training.
2. Paratrooper Training School is responsible for maintaining Para Currency of air warrior.
3. Regional Exam Board (Zonal) REB (Z) is responsible for conducting the SPE for gauging the skill & knowledge acquired by the air warrior.

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

RPL will consist of four stages.

1. Counselling- To inform, advise and guide the Air warrior regarding RPL
2. Pre-Assessment- To assess the current competencies of the Air warriors and identifying the gap between the level 6 and current competencies.
3. Orientation & Bridge Training- To train the Air warrior for bridging the gap.
4. Final assessment & Certification- To assess the Air warrior for full qualification and certify.

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 Garud Flts is carried out by Commanding Officer of Garud Flight/Flight Chief of Garud Flight.

Assessment for JPE/SGT 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.

1. 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.
2. Practical Exam is used to test the :
 - (a) Professional Skill
 - (b) Core Skill of the Air warrior
3. Viva Voce is used to gauge the overall knowledge of the Air warrior.

ASSESSMENT EVIDENCE

Complete a grid for each component as listed in “Formal structure of the the qualification” in the Summary.

NOTE: this grid can be replaced by any part of the qualification documentation which shows the same information – ie Learning Outcomes to be assessed, assessment criteria and the means of assessment.

24. ASSESSMENT EVIDENCES

Undertake the entire range of duties of Sergeant as mentioned in NSQF level 6 and in addition, take over the following:

Title of Component:

Outcomes to be assessed	Assessment criteria for the outcome
(a) Knowledge for the role of Supervisor for excising full control over the Garud Flight	Be aware of the following: <ol style="list-style-type: none"> (a) Duties and role to performed by him (b) Procedure to employ more than one squad for a mission. (b) Planning, preparation, rehearsals and inspections prior to Special Missions. (c) Objective assessments of training for enhancement of skill level and procedure to incorporate required changes in continuity training. (d) Tactical employment, training, administration, personnel management and logistic relevant to his

	Flight.										
(b) Fundamentals for collection of information and dissemination of combat intelligence for undertaking a mission	<p>Airwarrior ability to undertake the following:</p> <p>(a) Co-ordination among various Garud Sections.</p> <p>(b) Preparation of operation orders for carrying out mission briefing for assigned team.</p> <p>(c) Procedure to procure, demand and process various types of maps, sketches, overlays and satellite imagery for intelligence data base in flight Int room</p> <p>(d) Collection, analysis and dissemination of combat intelligence required for special mission.</p> <p>(e) Liaise and co-ordinate with higher formation through his CO for target system analysis and preparation of target folders.</p>										
(c) Undertake trade testing and instructional duties	<p>(a) Have thorough knowledge of syllabus, précis and current AFOs and manuals pertaining to IAF(S) and IAF (G) trade.</p> <p>(b) Awareness about the method of instructions and proficiency in imparting lessons as per précis and lesson plan.</p> <p>(c) Proficiency in his trade and allied subjects.</p> <p>(d) Familiarity with the method of demonstrations, explanations and practical's, of his trade duties.</p> <p>(vii) Air warrior should have the knowledge of trade testing regulations and concerned IAPs and directives.</p>										
<p>Means of assessment 1</p> <p>There are two types of Assessments viz. Formative and Summative.</p> <p>(a) The Formative Assessment is carried out continuously during the conduct of OJT.</p> <p>(b) Summative Assessment is carried out by REB (Z)</p> <p>Details are mentioned under means of Assessment-2. Written test, Practical examination/ Skill test & Viva voce</p>											
<p>Means of assessment 2</p> <p>1. Means of Formative Assessment (Total marks allotted- 250) conducted by G1(Ops)/CO</p> <table> <tr> <td>(a) Assignments for each module of Theory component</td> <td>100 Marks</td> </tr> <tr> <td>(b) Assignments for each module of Trade Skills component</td> <td>30 Marks</td> </tr> <tr> <td>(c) Continuous evaluation of Physical training BPET/PPT</td> <td>50 Marks</td> </tr> <tr> <td>(d) Weapon Training and Firing</td> <td>40 Marks</td> </tr> <tr> <td>(e) Practical driving of M/C, LMV and S/M DCPT</td> <td>30 Marks</td> </tr> </table> <p>2. Means of Summative Assessment (Total marks allotted- 200) conducted by REB (Z)</p>		(a) Assignments for each module of Theory component	100 Marks	(b) Assignments for each module of Trade Skills component	30 Marks	(c) Continuous evaluation of Physical training BPET/PPT	50 Marks	(d) Weapon Training and Firing	40 Marks	(e) Practical driving of M/C, LMV and S/M DCPT	30 Marks
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(b) Assignments for each module of Trade Skills component	30 Marks										
(c) Continuous evaluation of Physical training BPET/PPT	50 Marks										
(d) Weapon Training and Firing	40 Marks										
(e) Practical driving of M/C, LMV and S/M DCPT	30 Marks										

(a) Written test for Trade Skills component & GSK*	100 Marks
(b) Range Firing Practical Test	30 Marks
(c) BPET/PPT	40 Marks
(d) Small Arms Training	05 Marks
(e) Viva voce for Practical Component.	25 Marks

Note:* is not part of Skill Gradation Test, Component wise distribution of marks is given in Blue Print attached as Annexure-II

Pass/Fail

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'

Should pass within 3 attempts.

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SECTION 2**25. EVIDENCE OF LEVEL****OPTION A**

Title/Name of qualification/component: JWOWO/MWO of Indian Air Force (Garud)			
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
Process	Special Force Operator over the years of experience and in service course becomes fully capable to do the following: (a) Advise & assist his Flight Chief/ Commanding Officer (CO) in preparation and issue of warning / operation orders. (b) Undertake tactical deployment, training, administration, personnel management, inspections and logistics relevant to his (Special Forces) flight.	As a warrant rank of Special Forces he is now fully capable of planning, preparation and rehearsal prior to any type of Special Missions. Further, he is also capable of inspection of any Special Forces Formation/ Unit/Detachment. In addition to above, he is also capable of ensuring that all assigned tasks are accomplished by delegating tasks to Squad Leaders and by establishing priorities in accordance with orders received from Flight Chief/CO.	7
Professional knowledge	Airwarrior has advanced knowledge of following: (a) Mission planning, preparation of order and management of the resources. (b) Imparting training to his SF team, initiating corrective actions. (c) Undertaking inspections of other SF units	Air warrior is able to undertake the following: (a) Exhibit sound knowledge of all mission operations (b) Sound understanding of Computer & IW security, Training and Inspection. (c) Aerospace, Maintenance and ground safety implementation by his troops. (d) Logistic, admin requirements of his Flight .	7
Professional skill	Able to undertake Direct action missions, Combat Search & Rescue and Special Heliborne Ops as an overall in charge.	Ability to recognise the cause of problem and understand the consequences it can likely lead to. Initiate corrective measures to resolve the problem and guide his juniors to accomplish them.	7
Core skill	Able to communicate well with all personnel of the Unit/Station. Further, he is	Depict a very good communication skill, have a fair bit of computer knowledge, can	7

Title/Name of qualification/component: JWOWO/MWO of Indian Air Force (Garud)			
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
	able to read the instructions, policies and orders in Hindi, English and local language. He can handle computer and office desk jobs.	handle personal banking and guide his juniors.	
Responsibility	Able to undertake/execute various Special Ops missions or training missions as an overall in charge.	Fully responsible for the squad/team actions and lead the squad/team for any Spl Op Mission/ Trg mission. He will be responsible for the mission accomplishment and development of his team. .	7

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SECTION 3

EVIDENCE OF NEED

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

There has been sudden surge in incidences of attacks on the Military bases by Anti National Elements. With political turmoil being faced by the most of the states, the security of the bases requires to be beefed up with well trained and highly skilled manpower. These trained air warriors , are thus, able to sense the onset of the problem and take corrective actions to defuse it in time before it snow balls. The working experience gives the air warriors in depth knowledge to handle various situations, which are likely to be encountered during the course of actual field deployment both during war/ peace.

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.

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 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 Sgt with 13 Yrs of service becomes eligible for appearing for his third promotion exam called the JPE. During this period he also undergoes an WOLC course of one month duration, which gives insight to the various aspects of the Security Sections. The knowledge gained during the course helps the Air warriors to further hone their skills by undergoing a six months of dedicated continuity training on completion of the course. On successful completion of JPE, Sgt gets promoted to JWO. He will further keep climbing the promotion ladder based on his ACR marks. 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 SGT also conducted by REB (Z) .

The progression flow is given below.

JWO→WO→MWO

TOPICS OF ORIENTATION CLASS AND CONTINUITY TRAINING

SI No	TOPICS	Orientation Classes cum Lecture (Hours)	Continuity Training
1	Physical Conditioning (Running, strengthening exercises, stretching exercises, Yoga, BOC, BPET, PPT, Speed March, Night Route March and Range Firing (Day & Night))	--	300
2	Static Security, Patrolling, Scouting, Camouflage and concealment, Squad & Track Formations, Obstacle Crossing Drill in Tract/Squad, Contact Breaking and Link Up Drill, Surveillance, Planning/Briefing of CSAR Mission, General Operation of PLDS, Mission and Briefing, Survival Qualities, Basic Needs for survival, Types of Shelters, Ground to Air signal, Map setting and finding own position, Map to ground and ground to map, Navigation by STARS, Introduction to GPS and its practical use, Water discipline, First Aid to GSW Head/GSW Chest/GSW Abdomen, Chilblain, Frostbite, Snow Blindness, Carrying of Casualties, Bandage, Room intervention charges, Improvised explosive device & its mechanism, Joints and circuits and its preparation, Introduction to Assault charges, LUP-322 Radio Set, Block diagram of Radio Set, RT in CSAR/BAS/PLDS, I-Com Set, Logistic Procedure (IMMOLS), Aerospace safety, Intro, Tech Data, Stripping and Assembling of 5.56 mm Tavor Assault Rifle, 9mm Glock Pistol, AK/47/56, 5.56 MM Negev LMG, 84 mm RL MK-III, 7.62 mm Galil Sniper and Grenade No. 36.	150	350
Total Hours		150+650 = 800	

ROLE OF JWOWO/MWO OF IAF (G)

JWOWO/MWO	
<p><u>Special Force Team Operator</u></p> <p>1. Undertake the entire range of work of a Sergeant.</p> <p>2. Shall be in charge of a team i.e. in case more than 01 squad is deployed for a mission.</p> <p>3. He shall be responsible for</p> <p>(a) Developing and implementing tactics at team level.</p> <p>(b) Managing the logistical and administrative needs of his team.</p> <p>(c) Directing the maintenance of the team's weapon and equipment.</p> <p>(d) Inspecting the condition of his squad weapon, clothing and equipment.</p> <p>(e) Obtaining status report from track leaders.</p> <p>(f) Maintaining close liaison with the station armoury for rectification of faults in the weapons of his respective team and getting of range firing dates as per requirement given by the Squads.</p> <p>4. He shall be responsible for collection, analysis and dissemination of combat intelligence required for special mission.</p> <p>5. He shall liaise and co-ordinate with higher formation through his CO for target system analysis and preparation of target folders.</p> <p>6. He shall collect, collate and process metrological data affecting special operations.</p> <p>7. He shall procure, demand and process various types of maps, sketches, overlays and satellite imagery for intelligence data base in flight Int room</p>	<p>1. Have an advanced knowledge and wider experience of his trade.</p> <p>2. Should have undergone WOLC.</p>

REGIONAL EXAMINATION BOARD (NORTH)
BLUE PRINT: SYSTEM THEORY

Type of Exam	: JPE	TIME	: 50 Mins
Trade	: IAF (G)	MARKS	: 50
System	: IAF (G)		
Pattern of Training	: ATT/MPT/RPT		

Sl No.	SUBJECT	TRG HRS			WEIGHTAGE OF MARKS	MULTIPLE CHOICE QUESTIONS			
		THEORY	THEORY DEMO	TOTAL		FACT	COMP	APPL	QUES/MARKS
01	Ground Subject Medical (GSM) and stress management	22.50	-	22.50	5.30	01	02	02	05/05
02	Ground Subject Communication (GSC) and Ground Subject Navigation (GSN)	36.00	-	36.00	8.47	02	05	02	09/09
03	Ground Subject Tactics (GST)	51.75	-	51.75	12.19	02	06	04	12/12
04	Ground Subject Weapon Training (GSWT) and Ground Subject Field Explosive (GSFE)	37.50	-	37.50	8.82	02	05	02	09/09
05	Combat Search And Rescue (CSAR), Rappelling, Slithering and Portable Laser Designation System (PLDS)	23.25	-	23.25	5.47	01	02	02	05/05
06	Combat Controlling (CC) & RT Practice, IT Awareness, Vayusenix and Mission Planning (MP)	28.50	-	28.50	6.71	01	04	02	07/07
07	Logistics Procedure (IMMOLS)	-	-	-	-	00	01	00	02/02
08	Aerospace Safety (AS)	-	-	-	-	00	01	00	01/01
Total Question/ Marks		199.50	-	199.50	-	10	25	15	50/50

AUTHORITY : N-5 of Air HQ/S. 15827/1/2/Ops (Off)/Garud dated 24 Nov 15

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President
23 Dec 15

Rec/Not Rec
(CO/GE)

(अस के साहनी, (अस के साहनी)
ग्रुप कैप्टन, Group Captain
कमान्डिंग ऑफिसर / Commanding Officer
ग्रुप क्वार्टर, कानपुर / GQB, Air Force
27 Jan 16

For Action at Air HQ,
APPROVED/NOT APPROVED


(अस के साहनी, (अस के साहनी)
ग्रुप कैप्टन, Group Captain
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