




NOVA SCOTIA
Labour and Advanced Education




APPRENTICESHIP
NOVA SCOTIA



April 1, 2011 – March 31, 2012
Statistics

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Overview of Apprenticeship Activities

Overview of Apprenticeship Activities 2011 - 2012	
Description	Total
Active Apprentices	5653
New Registrations	
New Registrations – Apprentices	1387
New Registrations – Average Age of Apprentices	28.1
New Registrations – Youth Apprentices	75
Cancellation of Apprenticeship Agreements	500
Certificates of Qualifications Issued	964
Certificate Renewals	1865
Technical Training	2068
Completions (Graduates)	663
Examinations Written	1555
Progress Examinations	224
Certification Examinations	1296
Practical Examinations	35
Interprovincial Red Seals Issued	817
Reinstatement of Apprenticeship Agreements	61
Section 30 Applications Received	277

Active Apprentices

Active Apprentices 2011 - 2012					
Occupation	Total	# Male	%	# Female	%
Agricultural Equipment Technician	1	1	100	0	0
Automotive Service Technician	553	540	98	13	2
Automotive Service Technician – Front End and Brakes	3	2	67	1	33
Automotive Service Technician – Service Station Mechanic	4	4	100	0	0
Baker	0	0	0	0	0
Boat Builder	22	22	100	0	0
Boilermaker	34	33	97	1	3
Bricklayer	83	82	99	1	1
Carpenter	621	597	96	24	4
Construction Electrician	1065	1036	97	29	3
Cook	266	152	57	114	43
Gas Fitter	121	120	99	1	1
Gas Turbine Operator Attendant	1	1	100	0	0
Glazier	1	1	100	0	0
Heavy Duty Equipment Technician	46	45	98	1	2
Industrial Electrician	178	163	92	15	8
Industrial Mechanic (Millwright)	163	161	99	2	1
Instrumentation and Control Technician	61	57	93	4	7
Insulator (Heat & Frost)	46	45	98	1	2
Ironworker (Generalist)	30	30	100	0	0
Ironworker (Reinforcing)	24	24	100	0	0
Ironworker (Structural/Ornamental)	6	6	100	0	0
Machinist	98	93	95	5	5
Metal Fabricator (Fitter)	99	98	99	1	1
Mobile Crane Operator	104	102	98	2	2
Motor Vehicle Repairer (Metal & Paint)	64	60	94	4	6
Oil Heat Systems Technician	86	86	100	0	0

Active Apprentices 2011 - 2012					
Occupation	Total	# Male	%	# Female	%
Painter and Decorator	4	3	75	1	25
Plumber	439	427	97	12	3
Power Engineer	143	138	97	5	3
Powerline Technician	67	67	100	0	0
Refrigeration and Air Conditioning Mechanic	123	122	99	1	1
Refrigeration Plant Operator – Power Engineer	14	13	93	1	7
Restoration Stone Mason	2	2	100	0	0
Restricted – Automotive Service Technician (Transmission)	1	1	100	0	0
Roofer	8	8	100	0	0
Sheet Metal Worker	145	140	97	5	3
Sprinkler System Installer	61	61	100	0	0
Steamfitter – Pipefitter	481	468	97	13	3
Truck and Transport Mechanic	251	249	99	2	1
Welder	134	126	94	8	6
Total	5653	5386	95	267	5

New Registrations – Apprentices

Note: All data presented is for the 2011 – 2012 reporting year unless otherwise stated.

In 2011 – 2012, 1387 new apprentices were registered, of which, 1314 were male and 73 were female.

New Registrations 2011 - 2012				
Trade	Actual	%	Male	Female
Automotive Service Technician	164	11.8	160	4
Automotive Service Technician – Front End and Brakes	0	0	0	0
Automotive Service Technician – Service Station Mechanic	8	.6	8	0
Automotive Service Technician – Transmissions	1	0.1	1	0
Baker	0	0	0	0
Boat Builder	6	0.4	6	0
Boilermaker	10	0.7	10	0
Bricklayer	18	1.3	17	1
Carpenter	151	10.9	142	9
Construction Electrician	217	15.6	209	8
Cook	77	5.6	50	27
Gas Fitter	35	2.5	34	1
Glazier	1	0.1	1	0
Heavy Duty Equipment Technician	16	1.2	16	0
Industrial Electrician	37	2.7	33	4
Industrial Mechanic (Millwright)	33	2.4	33	0
Instrumentation and Control Technician	16	1.2	16	0
Insulator (Heat & Frost)	23	1.7	22	1
Ironworker (Generalist)	1	0.1	1	0
Ironworker (Reinforcing)	24	1.7	24	0
Ironworker (Structural/Ornamental)	5	0.4	5	0
Machinist	15	1.1	13	2
Metal Fabricator (Fitter)	38	2.7	38	0

New Registrations 2011 - 2012				
Trade	Actual	%	Male	Female
Mobile Crane Operator	9	0.6	9	0
Motor Vehicle Repairer (Metal & Paint)	18	1.3	17	1
Oil Heat Systems Technician	28	2	28	0
Plumber	88	6.3	85	3
Power Engineer	27	1.9	26	1
Power Engineer - Refrigeration Plant Operator	3	0.2	3	0
Powerline Technician (Lineman)	2	0.1	2	0
Refrigeration and Air Conditioning Mechanic	37	2.7	37	0
Roofer	8	0.6	8	0
Sheet Metal Worker	23	1.7	22	1
Sprinkler System Installer	11	0.8	11	0
Steamfitter – Pipefitter	106	7.6	102	4
Truck and Transport Mechanic	73	5.3	71	2
Welder	58	4.2	54	4
Total	1387	100	1314	73

New Registrations – Youth Apprentices

Note: All data presented is for the 2011 – 2012 reporting year unless otherwise stated.

In 2011 – 2012, 32 new youth apprentices were registered, of which, 32 were male and 0 were female.

New Registrations 2011 - 2012				
Trade	Actual	%	Male	Female
Automotive Service Technician	3	9.4	3	0
Automotive Service Technician – Front End and Brakes	0	0	0	0
Automotive Service Technician – Service Station Mechanic	0	0	0	0
Automotive Service Technician – Transmissions	0	0	0	0
Baker	0	0	0	0
Boat Builder	0	0	0	0
Boilermaker	0	0	0	0
Bricklayer	0	0	0	0
Carpenter	4	12.5	4	0
Construction Electrician	12	37.5	12	0
Cook	1	3.1	1	0
Gas Fitter	0	0	0	0
Glazier	0	0	0	0
Heavy Duty Equipment Technician	1	3.1	1	0
Industrial Electrician	0	0	0	0
Industrial Mechanic (Millwright)	0	0	0	0
Instrumentation and Control Technician	0	0	0	0
Insulator (Heat & Frost)	0	0	0	0
Ironworker (Generalist)	0	0	0	0
Ironworker (Reinforcing)	1	3.1	1	0
Ironworker (Structural/Ornamental)	0	0	0	0
Machinist	0	0	0	0
Metal Fabricator (Fitter)	0	0	0	0

New Registrations 2011 - 2012

Trade	Actual	%	Male	Female
Mobile Crane Operator	1	3.1	1	0
Motor Vehicle Repairer (Metal & Paint)	2	6.3	2	0
Oil Heat Systems Technician	0	0	0	0
Plumber	1	3.1	1	0
Power Engineer	0	0	0	0
Power Engineer - Refrigeration Plant Operator	0	0	0	0
Powerline Technician (Lineman)	0	0	0	0
Refrigeration and Air Conditioning Mechanic	0	0	0	0
Roofer	0	0	0	0
Sheet Metal Worker	1	3.1	1	0
Sprinkler System Installer	1	3.1	1	0
Steamfitter – Pipefitter	1	3.1	1	0
Truck and Transport Mechanic	2	6.3	2	0
Welder	1	3.1	1	0
Total	32	100	32	0

New Registrations – Apprentices (Average Age)

The average age of the 1387 apprentices who registered last year is 28.1 years.

New Registrations (Average Age) – 2011 - 2012		
Occupation	Total	Average Age
Automotive Service Technician	164	26
Automotive Service Technician – Front End and Brakes	0	0
Automotive Service Technician – Service Station Mechanic	8	26
Automotive Service Technician – Transmissions	1	26
Baker	0	0
Boat Builder	6	30.2
Boilermaker	10	29.1
Bricklayer	18	28.1
Carpenter	151	28.7
Construction Electrician	217	27.3
Cook	77	28.3
Gas Fitter	35	33.7
Glazier	1	24
Heavy Duty Equipment Technician	16	22.3
Industrial Electrician	37	29.9
Industrial Mechanic (Millwright)	33	29.3
Instrumentation and Control Technician	16	24.6
Insulator (Heat & Frost)	23	32
Ironworker (Generalist)	1	52
Ironworker (Reinforcing)	24	31.9
Ironworker (Structural/Ornamental)	5	22.6
Machinist	15	24.2
Metal Fabricator (Fitter)	38	30.4
Mobile Crane Operator	9	34.3
Motor Vehicle Repairer (Metal &	18	30.6

New Registrations (Average Age) – 2011 - 2012		
Occupation	Total	Average Age
Paint)		
Oil Heat Systems Technician	28	34.6
Plumber	88	27.2
Power Engineer	27	30.6
Power Engineer - Refrigeration Plant Operator	3	39.3
Powerline Technician (Lineman)	2	25.5
Refrigeration and Air Conditioning Mechanic	37	25.8
Roofer	8	31.1
Sheet Metal Worker	23	27.2
Sprinkler System Installer	11	29.5
Steamfitter – Pipefitter	106	29.3
Truck and Transport Mechanic	73	26
Welder	58	25.4
Total	1387	28.1

Cancellations

In 2011 – 2012, 500 apprentices were cancelled from the Apprenticeship Program for various reasons.

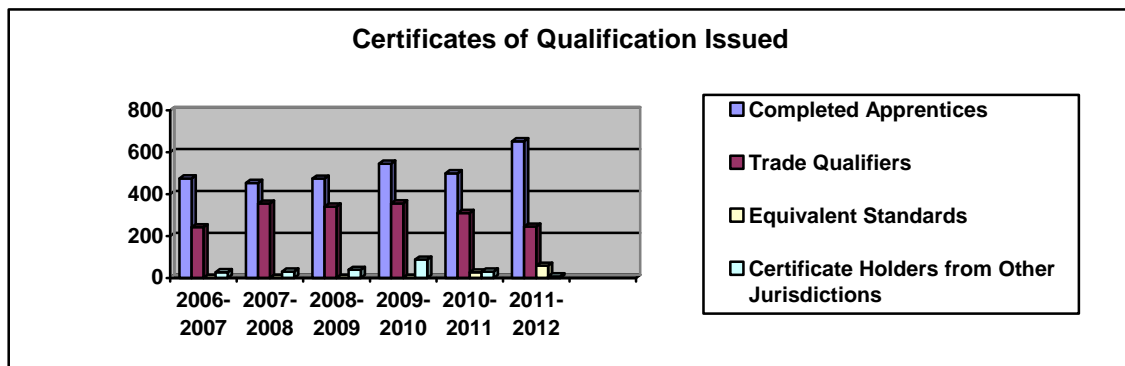
Cancellations 2011 - 2012		
Reason For Cancellation	Number	%
At Own Request	44	8.8
Deceased	5	1.0
Employer Termination of Agreement Progress	69	13.8
Excessive Time in Trade	10	2.0
Inactive Status Expired	45	9.0
Insufficient Practical Progress	1	0.2
Insufficient Theory Progress	80	16.0
Left the Employer	16	3.2
Left the Province	36	4.93
Medical Reasons	1	0.2
Not Trade Employed	86	17.2
To write Certificate of Qualification Exam	19	3.8
Transfer of Apprenticeship	35	7.0
Unable to Locate	53	10.6
Other	0	0
Total	500	100

Certificates of Qualification Issued

Certificates of Qualification are issued to apprentices who have successfully completed an apprenticeship program and to trade qualifiers who have met all the requirements of a trade and have passed the certification examination.

In 2011 – 2012, 964 Certificates of Qualification (C of Q) were issued. Of these, 652 were issued to completed apprentices, 245 were issued to trade qualifiers and 59 were issued to equivalent standards. The remaining certificates were issued to Certificate of Qualification holders from other jurisdictions who qualified for Nova Scotia certification.

Certificates of Qualification Issued							
Certificates Issued	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 – 2011	2011 – 2012	Change from Previous Year
Completed Apprentices	475	454	474	545	499	652	+152
Trade Qualifiers	242	355	341	356	310	245	-65
Equivalent Standards	N/A	N/A	N/A	N/A	27	59	+32
Certificate Holders from Other Jurisdictions	28	31	39	88	31	8	-23
Total	745	838	854	989	867	964	+97

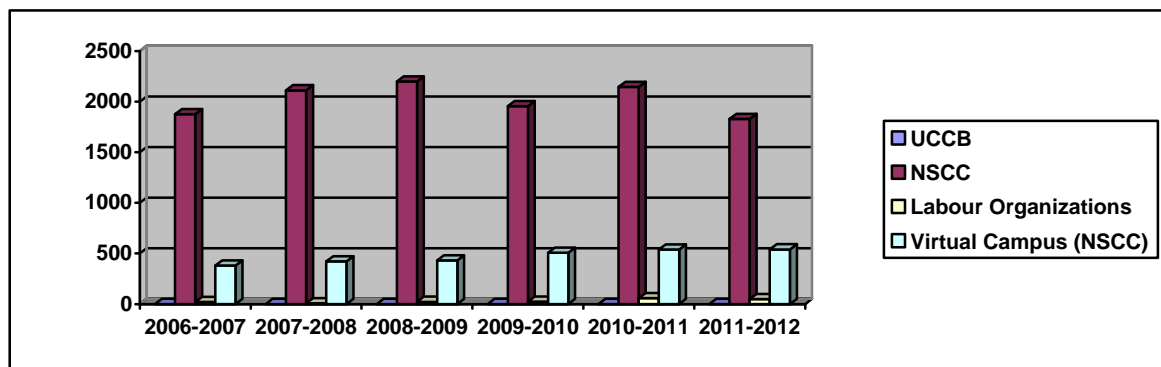


Since 1937, approximately 58,500 Certificates of Qualification have been issued in the Province of Nova Scotia

Technical Training

In 2011 – 2012, 1487 apprentices attended technical training at the Nova Scotia Community College. In addition, 540 apprentices registered for technical training on the Internet through the Virtual Campus and 41 apprentices accessed training through their labour organization.

Technical Training							
Facility	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 – 2011	2011 – 2012	Change from Previous Year
UCCB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NSCC	1876	2112	2199	1955	2145	1829	-658
Labour Organizations	19	7	22	24	59	48	-18
Virtual Campus (NSCC)	380*	421	432	508	538	540	+2
Total	2275	2540	2653	2487	2742	2417	-325



Completions (Graduates)

Completions (Graduates) of the Program 2011 - 2012			
Trade	Graduates	Male	Female
Agricultural Equipment Technician	0	0	0
Automotive Service Technician	99	98	1
Automotive Service Technician – Service Station Mechanic	23	23	0
Automotive Service Technician – Transmissions	1	1	0
Boat Builder	2	2	0
Boilermaker	21	20	1
Bricklayer	3	3	0
Carpenter	53	53	0
Construction Electrician	134	133	1
Cook	18	13	5
Gas Fitter (Level 1)	1	1	0
Gas Fitter (Level 2)	4	4	0
Gas Fitter (Level 3)	18	18	0
Heavy Duty Equipment Technician	3	3	0
Industrial Electrician	11	11	0
Industrial Mechanic (Millwright)	24	24	0
Instrumentation and Control Technician	9	9	0
Ironworker (Generalist)	10	10	0
Ironworker (Reinforcing)	0	0	0
Ironworker (Structural/Ornamental)	0	0	0
Machinist	2	2	0
Metal Fabricator (Fitter)	11	11	0
Mobile Crane Operator	3	3	0
Motor Vehicle Repairer (Metal & Paint)	0	0	0
Oil Heat Systems Technician	14	14	0
Plumber	52	51	1
Power Engineer (Refrigeration Plant Operator (2 nd Class))	0	0	0
Power Engineer (2 nd Class)	0	0	0

Completions (Graduates) of the Program 2011 - 2012			
Trade	Graduates	Male	Female
Power Engineer (3 rd Class)	0	0	0
Power Engineer (4 th Class)	0	0	0
Powerline Technician	20	19	1
Refrigeration and Air Conditioning Mechanic	26	26	0
Sheet Metal Worker	10	10	0
Sprinkler System Installer	4	4	0
Steamfitter – Pipefitter	43	43	0
Truck and Transport Mechanic	37	37	0
Welder	7	7	0
Total	663	653	10

Examinations Written

During 2011 – 2012, a total of 1555 clients wrote various apprenticeship progress and certification examinations. Of that total, 224 clients wrote progress examinations, 1296 apprentices and trade qualifiers wrote certification examinations, and 35 practical examinations were administered in the Gas Fitter occupation.

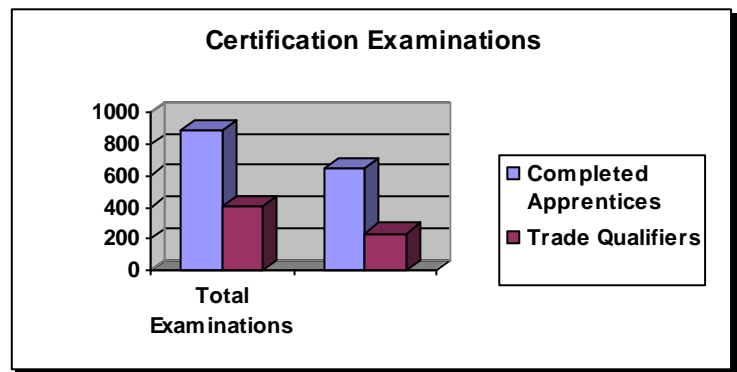
Examinations Written							
Examinations	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 – 2011	2011 – 2012	Change from Previous Year
Progress Examinations	132	135	120	181	233	224	-9
Certification Examinations	1065	1138	1241	1344	1133	1296	+163
Practical Examinations	18	26	34	22	24	35	+11
Total	1215	1299	1395	1547	1390	1555	+165

Progress Examinations

A total of 224 progress examinations were written during 2011 – 2012. Apprentices wrote 217 examinations with a pass rate of 76% (166 passed). Non-apprentices, including pre-employment and placement candidates (challenge examinations to determine placement of candidates in the Apprenticeship Program), wrote 7 examinations with a pass rate of 57% (4 passed).

Certification Examinations

A total of 1296 clients wrote certification examinations during 2011 – 2012. Completed apprentices wrote 891 examinations with a pass rate of 72% (643 passed). Trade qualifiers wrote 405 examinations with a pass rate of 58% (235 passed). It is suspected that the success rate for trade qualifiers increases proportionately to the amount of skills upgrade training they receive.

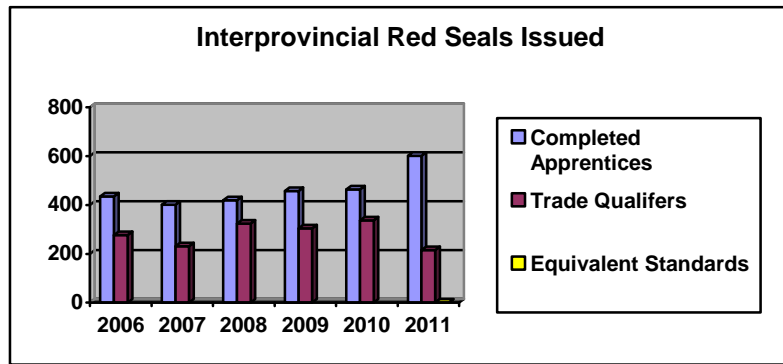


Interprovincial Red Seals Issued

The Interprovincial Standards (Red Seal) Program was established to provide greater worker mobility across Canada. It allows qualified tradespersons to practice their trades in any province or territory of Canada where the trade is designated without having to write further examinations. A total of 817 Interprovincial Red Seals were issued to qualifying candidates during the calendar year 2011. Of this number, completed apprentices received 601 Red Seals and trade qualifiers received 215.

Interprovincial Red Seals Issued							
Red Seals Issued (*)	2006	2007	2008	2009	2010	2011	Change from Previous Year
Completed Apprentices	435	401	419	457	464	601	+137
Trade Qualifiers	276	231	323	304	337	215	-122
Equivalent Standards	N/A	N/A	N/A	N/A	N/A	1	1
Total	711	632	742	761	801	817	+16

(*) Red Seal statistics as reported by Statistics Canada are based on the calendar year, January to December. This accounts for variances between this table and the previous tables.



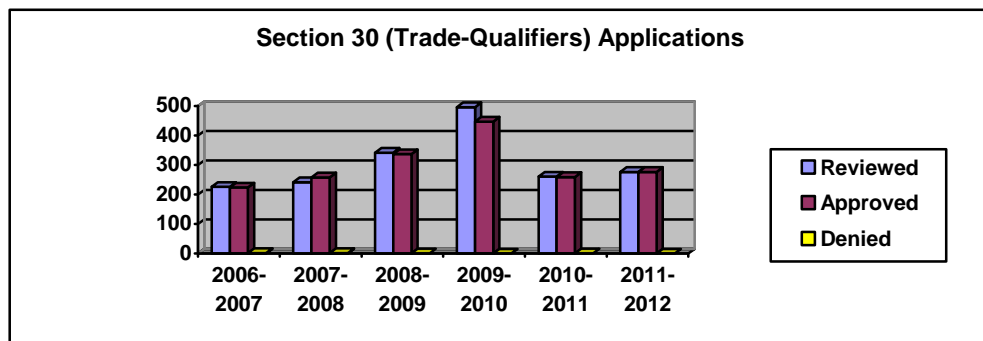
Trade Qualification (Section 30) Applications

1. Section 30 of the General Regulations under the Apprenticeship and Trades Qualifications Act provides the opportunity for long-time trade practitioners to receive certification if they meet defined criteria:

- employed in the trade for the period set out in the Trade Regulations;
- recommended for a Certificate of Qualification by two persons who are competent in the trade and who have vouched for the candidate's skills and experience;
- competent in the skills of the trade, as determined by the Director; and
- write and pass the certification examination.

2. During the fiscal year 2011 – 2012, 277 trade qualifiers applied under Section 30 of the General Regulations to write certification examinations. Review Committees assessed 277 and 277 were approved, 0 were denied, 0 were forwarded and 0 applications are pending.

Section 30 (Trade Qualifiers) Applications							
Applications	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 - 2011	2011 – 2012	Change from Previous Year
Reviewed	226	242	342	496	261	277	+16
Approved	224	258	337	447	259	277	+18
Denied	2	2	1	0	1	0	-1



Trade Qualifiers

A total of 174 trade qualifiers received certification under Section 30 of the General Regulations.

Trade Qualifiers 2011 – 2012			
Occupation	Trade	Male	Female
Alarm and Security Technician	3	3	0
Appliance Service Technician	1	1	0
Automotive Painting	2	0	2
Automotive Service Technician	15	15	0
Automotive Service Technician – Service Station Mechanic	10	10	0
Baker	2	1	1
Boat Builder	0	0	0
Carpenter	5	5	0
Construction Electrician	3	3	0
Cook	12	9	3
Floor Covering Installer	1	1	0
Gas Fitter Tech I	0	0	0
Gas Fitter Tech II	0	0	0
Gas Fitter Tech III	0	0	0
Heavy Duty Equipment Technician	10	10	0
Industrial Electrician	1	1	0
Industrial Mechanic (Millwright)	11	11	0
Instrumentation and Control Technician	0	0	0
Insulator (Heat & Frost)	0	0	0
Ironworker (Generalist)	0	0	0
Ironworker (Reinforcing)	4	4	0
Ironworker (Structural/Ornamental)	0	0	0
Machinist	2	2	0
Metal Fabricator (Fitter)	1	1	0
Motorcycle Mechanic	5	5	0

Trade Qualifiers 2011 – 2012

Occupation	Trade	Male	Female
Q1 Motor Vehicle Repairer (Metal & Paint)	42	42	0
Oil Heat Systems Technician	1	1	0
Painter and Decorator	1	1	0
Plumber	1	1	0
Sheet Metal Worker	1	1	0
Sprinkler System Installer	0	0	0
Steamfitter – Pipefitter	18	18	0
Tool and Die Maker	0	0	0
Transport Trailer Technician	1	1	0
Truck and Transport Mechanic	15	15	0
Welder	6	6	0
Total	174	168	6