



SEAFARER CERTIFICATION DEMOGRAPHICS

06 DECEMBER 2024

PURPOSE

1. The attachments to this paper provide details of statistical information for Australian international and domestic seafarers. The information provided illustrates the current 'state of the maritime industry' with regards to certificated seafarers, including high-level demographic information.

BACKGROUND

2. The data provided is valid as of 6 December 2024. Data fluctuates daily as new certificates of competency are issued, expire, are revalidated. The data provided is a 'point in time' indication of seafarer demographic information.

INTERNATIONAL - STANDARDS OF TRAINING, CERTIFICATION AND WATCHKEEPING (STCW) CERTIFICATES OF COMPETENCY

3. Seafarers holding these certificates of competency can work on international trading ships. Certification determines the position they can hold and the size and type of the vessels they can work on.
4. A summary of high-level statistical information (at [Attachment 1](#)) is as follows:

STCW	November 2022		November 2023		December 2024	
	Certificates	Seafarers	Certificates	Seafarers	Certificates	Seafarers
Deck	2,271	2,027	2,460	2,222	2,525	2,269
Engine	1,662	1,435	1,761	1,557	1,972	1,712
Total	3,933	3,462	4,221	3,778	4,497	3,980

Certificates of Proficiency*	2,271	2,171	2,267	2,237	2,492	2,431
COST*	Not recorded	Not recorded	6,328	6,312	7,005	6,997

*Added for 2024.

DOMESTIC – NEAR COASTAL CERTIFICATES OF COMPETENCY

5. Seafarers holding these certificates of competency can operate on seagoing vessels out to the limit of the exclusive economic zone of Australia. Certification determines the position they can hold and size or power rating of the vessels they can work on.
6. As compared to international certificates, it is far more common for seafarers to have dual engineering and deck certification when working in the domestic industry, hence the significantly higher number of certificates of competency issued for total number of near coastal seafarers.

7. On 1 January 2023, new Marine Order 505 took effect. This Marine Order amended the names of several certificates of competency and introduced new certificates of competency. The figures provided in this report conform to the certification framework provided in the latest version of Marine Order 505.
8. A summary of high-level statistical information (at [Attachment 2](#)) is as follows:

Near Coastal	November 2022		November 2023		December 2024	
	Certificates	Seafarers	Certificates	Seafarers	Certificates	Seafarers
Deck	28,500	25,177	29,691	27,325	33,264	30,589
Engine	12,598	11,822	12,703	12,278	13,135	12,704
Total	41,098	26,912[^]	42,394	29,039[^]	46,399	32,268[^]

[^] Numerous near coastal seafarers hold both deck and engine certification. Seafarers that have both a deck and engine certificate of competency are counted in both the deck and engine category, whilst the total represents the total number of seafarers.

DISCLAIMER

9. The information provided in this report is subject to ambiguity. Ambiguity exists for a number of reasons including, but not limited to, the following:
 - (a) Many people hold more than one certificate, and some people hold both near coastal and STCW certification,
 - (b) Some people hold more than one of the same certificate at a point in time. This is due to the renewal cycles for certificates where a new certificate is issued prior to the expiration of a current certificate,
 - (c) AMSA inherited a significant amount of information from other maritime agencies during establishment of the national system,
 - (d) Naming conventions, changes to certificate names, complexities in endorsements, mean that the data has needed to be grouped in some places.
10. All data provided should be used as a 'point in time estimation' of the number of seafarers and certification held.

Attachments: *Attachment 1* *Seafarer certification demographic – International STCW*
 Attachment 2 *Seafarer certification demographic – Domestic (MO505)*



Attachment 1 Seafarer certification demographic – International STCW

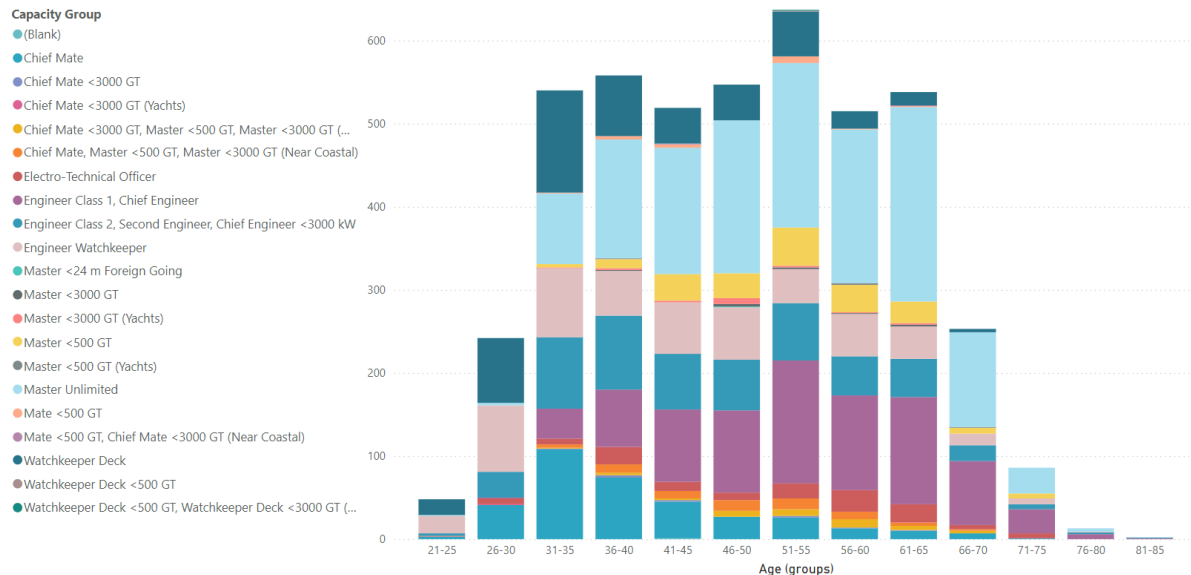
STCW CERTIFICATE OF COMPETENCY (COC) CAPACITY BY AGE

The graphs and tables below provide the total number of active CoC's as at 6 December 2024.

A specific seafarer will be counted multiple times if they hold multiple certificates. The total figures presented in the table indicate the total number of CoC's active. This number changes daily as CoC's expire, are renewed and new certificates are issued.

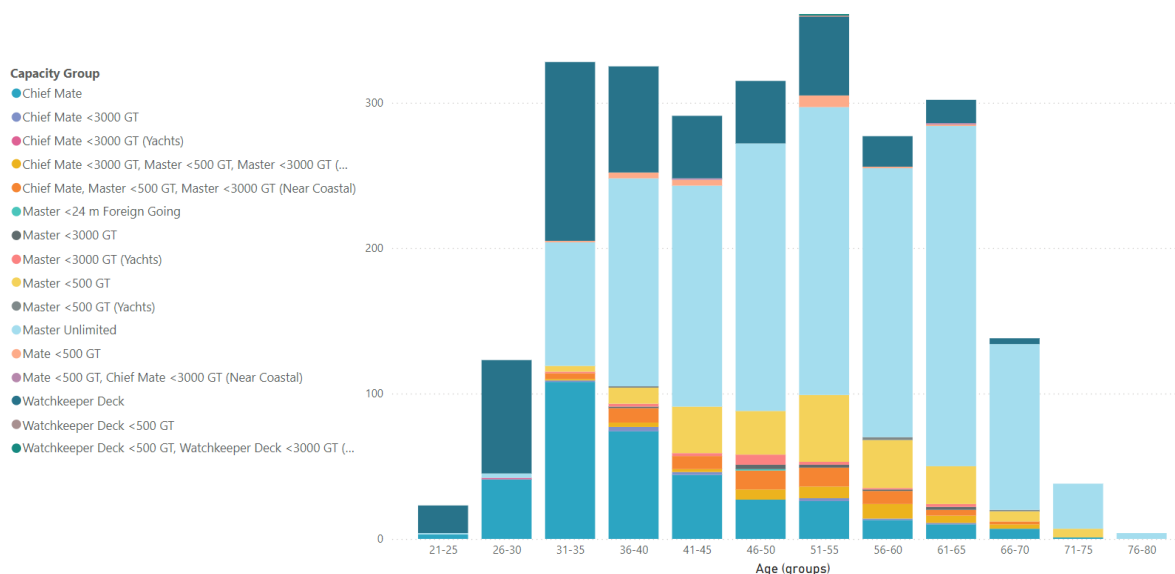
The tables below do not include endorsements or recognition of foreign issued CoC's.

STCW All CoC - Capacity by age



Capacity Group	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
(Blank)						1								1
Chief Mate	3	41	108	74	44	27	26	13	10	7	1			354
Chief Mate <3000 GT				1	3	2		2	1	1				10
Chief Mate <3000 GT (Yachts)			1											1
Chief Mate <3000 GT, Master <500 GT, Master <3000 GT (Near Coastal)				1	3	2	7	8	10	5	3			39
Chief Mate, Master <500 GT, Master <3000 GT (Near Coastal)				4	10	9	13	13	9	4	2			64
Electro-Technical Officer	1	7	7	21	11	9	18	26	22	5	6			133
Engineer Class 1, Chief Engineer		1	36	69	87	99	148	114	129	77	29	6	1	796
Engineer Class 2, Second Engineer, Chief Engineer <3000 kW	3	31	86	89	67	61	69	47	46	19	6	2	1	527
Engineer Watchkeeper	21	80	83	54	62	63	41	51	39	14	7	1		516
Master <24 m Foreign Going							1							1
Master <3000 GT					1		3	2	1	2				9
Master <3000 GT (Yachts)				1	2	2	7	2	1	2				17
Master <500 GT				4	11	32	30	46	33	26	7	6		195
Master <500 GT (Yachts)					1				2		1			4
Master Unlimited	1	3	85	143	152	184	198	185	234	114	31	4		1334
Mate <500 GT				1	4	4		8	1	1				19
Mate <500 GT, Chief Mate <3000 GT (Near Coastal)						1				1				2
Watchkeeper Deck	19	78	123	73	43	43	54	21	16	4				474
Watchkeeper Deck <500 GT								1						1
Watchkeeper Deck <500 GT, Watchkeeper Deck <3000 GT (Near Coastal)								1						1
Total	48	242	540	558	519	547	637	515	538	253	86	13	2	4498

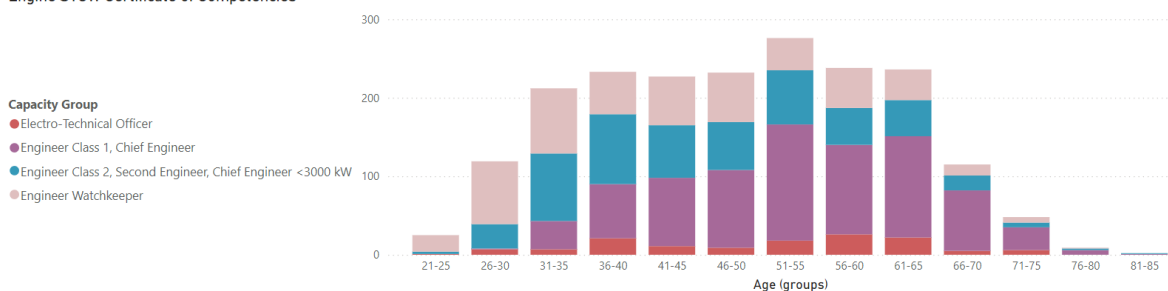
STCW Deck CoC - Capacity by age



Capacity Group	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Master Unlimited	1	3	85	143	152	184	198	185	234	114	31	4	1334
Watchkeeper Deck	19	78	123	73	43	43	54	21	16	4			474
Chief Mate	3	41	108	74	44	27	26	13	10	7	1		354
Master <500 GT			4	11	32	30	46	33	26	7	6		195
Chief Mate, Master <500 GT, Master <3000 GT (Near Coastal)			4	10	9	13	13	9	4	2			64
Chief Mate <3000 GT, Master <500 GT, Master <3000 GT (Near Coastal)			1	3	2	7	8	10	5	3			39
Mate <500 GT			1	4	4		8	1	1				19
Master <3000 GT (Yachts)			1	2	2	7	2	1	2				17
Chief Mate <3000 GT			1	3	2		2	1	1				10
Master <3000 GT				1		3	2	1	2				9
Master <500 GT (Yachts)					1			2		1			4
Mate <500 GT, Chief Mate <3000 GT (Near Coastal)						1			1				2
Chief Mate <3000 GT (Yachts)			1										1
Master <24 m Foreign Going						1							1
Watchkeeper Deck <500 GT								1					1
Watchkeeper Deck <500 GT, Watchkeeper Deck <3000 GT (Near Coastal)								1					1
Total	23	123	328	325	291	315	361	277	302	138	38	4	2525

STCW Engine CoC - Capacity by age

Engine STCW Certificate of Competencies

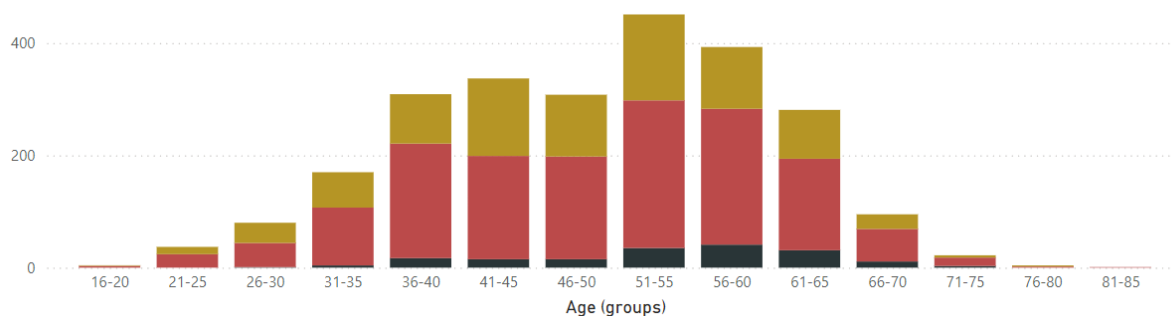


Capacity Group	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Engineer Class 1, Chief Engineer		1	36	69	87	99	148	114	129	77	29	6	1	796
Engineer Class 2, Second Engineer, Chief Engineer <3000 kW	3	31	86	89	67	61	69	47	46	19	6	2	1	527
Engineer Watchkeeper	21	80	83	54	62	63	41	51	39	14	7	1		516
Electro-Technical Officer	1	7	7	21	11	9	18	26	22	5	6			133
Total	25	119	212	233	227	232	276	238	236	115	48	9	2	1972

STCW Certificate of Proficiency by age

STCW Proficiencies

Capacity Group ● Chief Integrated Rating ● Integrated Rating ● Marine Cook

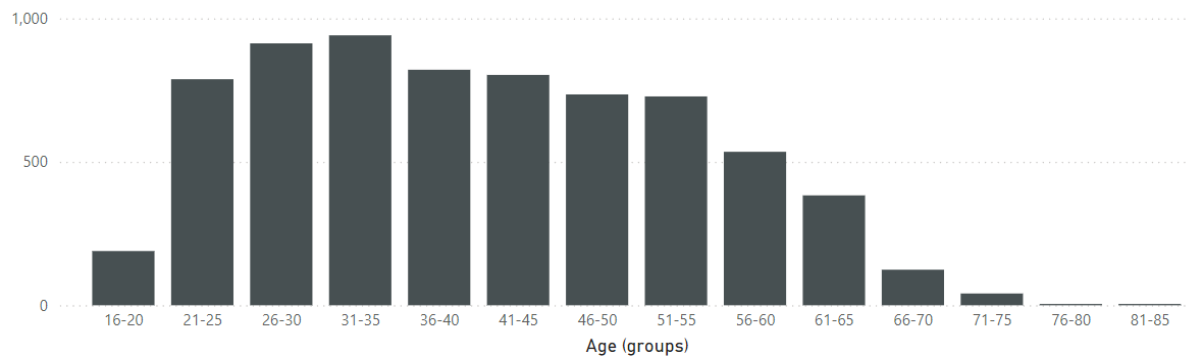


Capacity Group	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Integrated Rating	3	24	43	103	204	184	183	263	242	163	58	15	2	1	1488
Marine Cook	1	13	36	63	88	138	110	153	110	87	26	4	2		831
Chief Integrated Rating			1	4	17	15	15	35	41	31	11	3			173
Total	4	37	80	170	309	337	308	451	393	281	95	22	4	1	2492

STCW Certificate of Safety Training (CoST) - Proficiency by age

STCW COST

Capacity Group ● Designated safety or pollution-prevention duties and non-designated security duties



Capacity Group	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Designated safety or pollution-prevention duties and non-designated security duties	189	788	913	941	821	803	735	728	535	383	124	41	3	1	7005
Total	189	788	913	941	821	803	735	728	535	383	124	41	3	1	7005

STCW CERTIFICATE OF COMPETENCY (COC) GENDER BY AGE

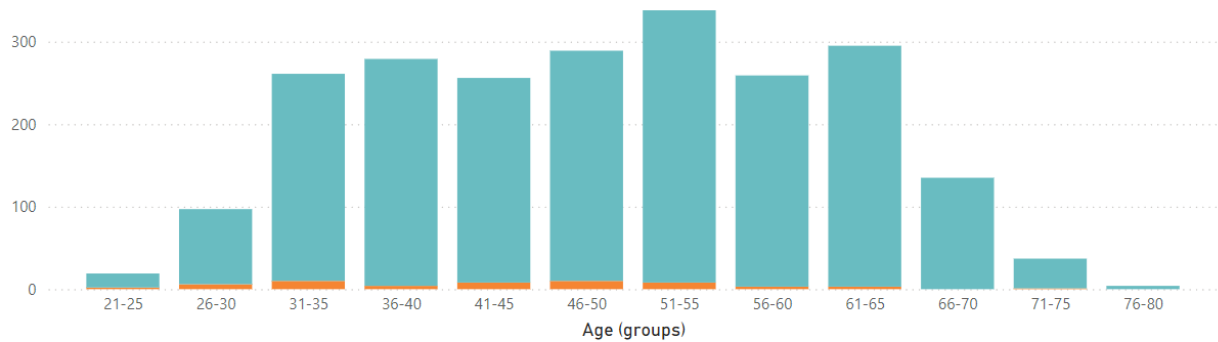
The graphs and tables below provide a breakdown of the number of STCW CoC holders by gender and age.

A specific seafarer will be **counted only once** within their category (Deck, Engine, Certificate of Proficiency) regardless of the number of CoC's they hold. AMSA's STCW records currently only provide for the recording of gender by male or female.

STCW Deck CoC Holders – Gender by age

Deck STCW Certificate of Competencies

Gender ● Female ● Male

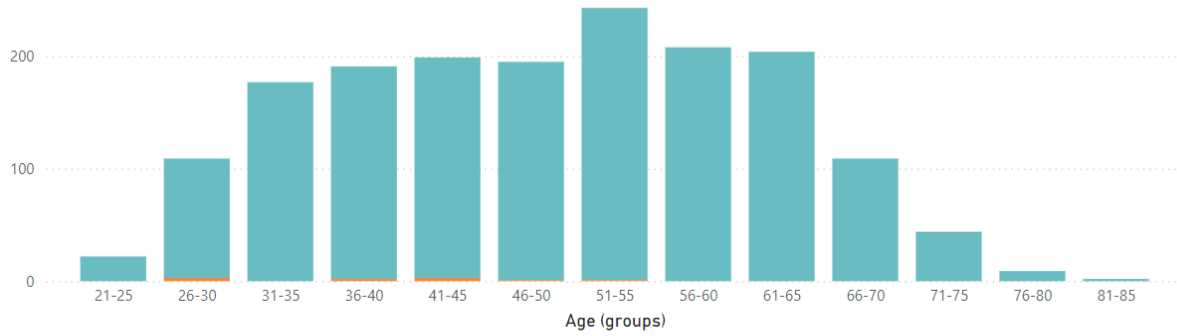


Gender	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Male	17	91	251	275	248	279	330	256	292	135	36	4	2214
Female	2	6	10	4	8	10	8	3	3	1	1	0	55
Total	19	97	261	279	256	289	338	259	295	135	37	4	2269

STCW Engine CoC Holders – Gender by age

Engine STCW Certificate of Competencies

Gender ● Female ● Male



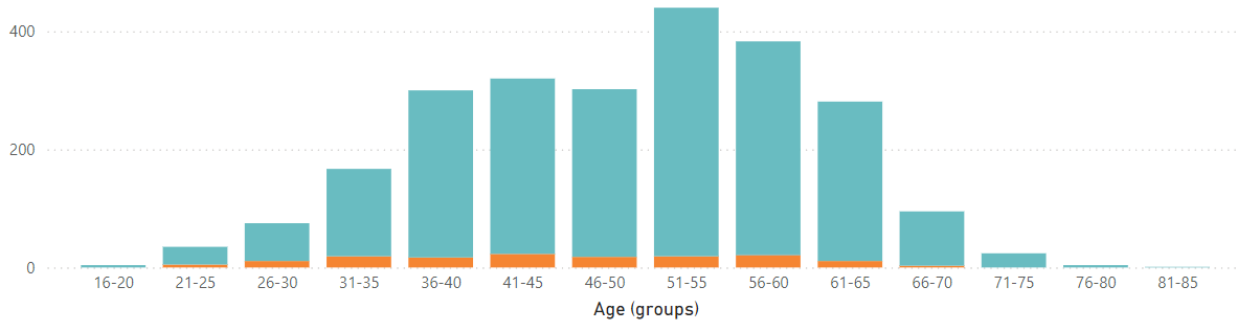
Gender	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Male	22	106	177	189	196	194	242	208	204	109	44	9	2	1702
Female		3		2	3	1	1							10
Total	22	109	177	191	199	195	243	208	204	109	44	9	2	1712

Certificates of Proficiency

The graph and table below include Chief Integrated Ratings, Integrated Ratings and Marine Cooks.

STCW Proficiencies

Gender ● Female ● Indeterminate/Unspecified/Intersex ● Male

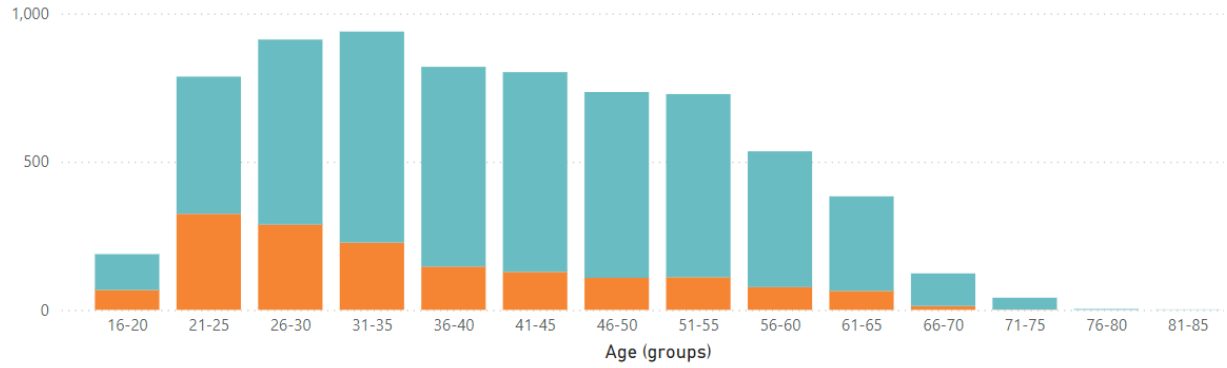


Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Male	4	30	64	148	283	297	284	421	361	270	92	24	4	1	2283
Female		5	11	19	17	23	18	19	21	11	3				147
Indeterminate/Unspecified/Intersex									1						1
Total	4	35	75	167	300	320	302	440	383	281	95	24	4	1	2431

STCW Certificate of Safety Training (CoST) - Gender by age

STCW CoST

Gender ● Female ● Indeterminate/Unspecified/Intersex ● Male



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Male	121	462	622	712	674	674	627	617	456	319	110	40	3	1	5438
Female	67	324	288	227	146	128	108	110	77	64	13	1			1553
Indeterminate/Unspecified/Intersex		1	2					1	2						6
Total	188	787	912	939	820	802	735	728	535	383	123	41	3	1	6997



Attachment 2 Seafarer certification demographic – Domestic (MO505)

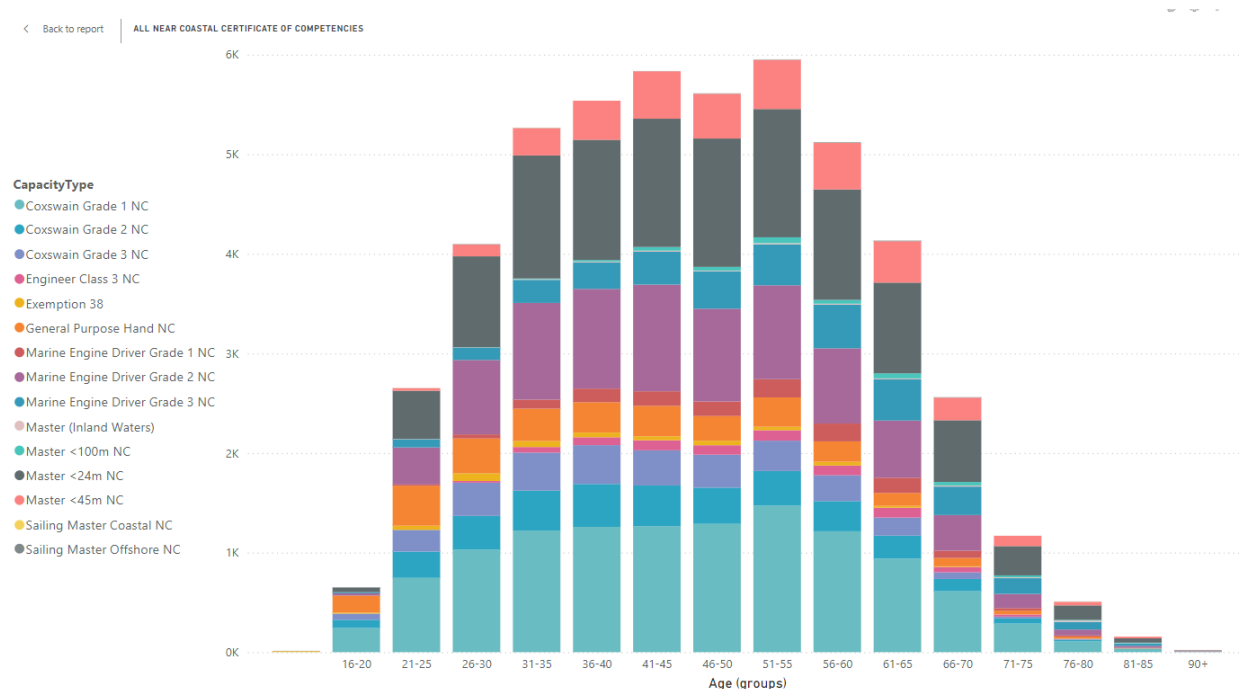
NEAR COASTAL CoC – CAPACITY BY AGE

The graphs and tables below provide the total number of active CoC's as at 6 December 2024.

A specific seafarer will be counted multiple times if they hold multiple certificates. The total figures presented in the tables indicate the total number of CoC's active. This number changes daily as CoC's expire, are renewed and new certificates are issued.

Note – The statistics provided align with the new Near Coastal Certification framework established under the new Marine Order 505, which took effect 1 January 2023.

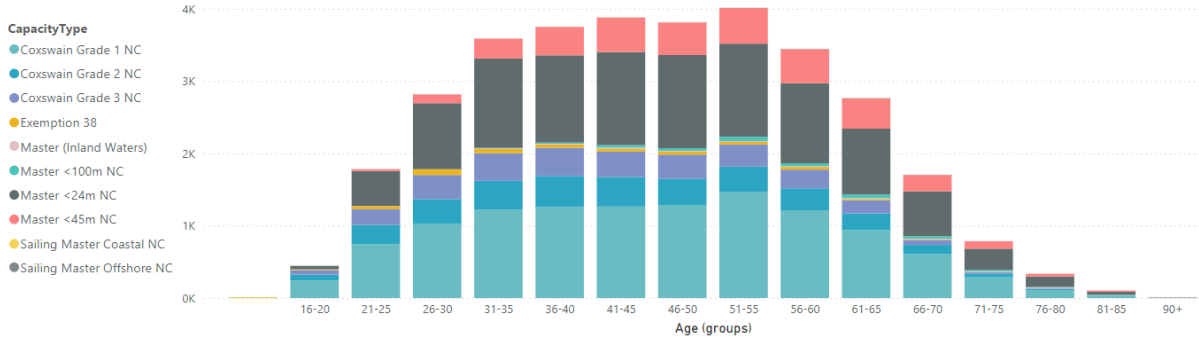
All Near coastal CoC - Capacity by Age



CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Coxswain Grade 1 NC	1	243	746	1029	1221	1258	1266	1288	1471	1214	939	612	287	110	34	4	11723
Coxswain Grade 2 NC		82	264	339	401	431	408	364	348	303	231	123	52	15	3		3364
Coxswain Grade 3 NC		62	218	334	382	390	353	331	305	259	182	67	18	8			2909
Engineer Class 3 NC				17	56	79	101	95	105	98	98	53	22	2			726
Exemption 38	9	11	42	77	60	47	40	45	35	38	19	7	3				433
General Purpose Hand NC		170	402	350	325	305	305	248	294	205	130	84	35	21	5	2	2881
Marine Engine Driver Grade 1 NC			12	41	91	137	147	146	183	179	153	73	26	12	1		1201
Marine Engine Driver Grade 2 NC	1	23	372	747	971	1001	1071	932	943	755	574	358	142	59	20	5	7974
Marine Engine Driver Grade 3 NC		12	82	125	232	266	330	376	411	438	413	286	158	77	25	3	3234
Master (Inland Waters)			3	2	6	8	11	7	12	10	10	11	9	13	2		104
Master <100m NC				1	7	16	37	37	59	39	51	35	19	7	5		313
Master <24m NC	1	47	484	913	1236	1207	1288	1289	1288	1109	911	620	294	146	44	5	10882
Master <45m NC			26	119	274	393	476	449	493	467	416	227	104	35	17	2	3498
Sailing Master Coastal NC					1					1				1			3
Sailing Master Offshore NC			1	4	2		2	4	4	6	6	4		2			35
Total	12	650	2652	4098	5265	5538	5835	5611	5951	5121	4133	2560	1169	508	156	21	49280

Near Coastal Deck CoC - Capacity by Age

Deck Near Coastal Certificate of Competencies

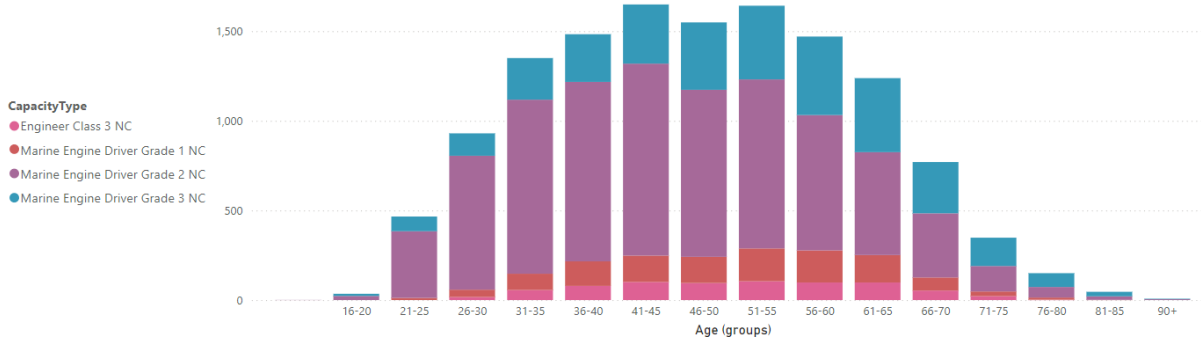


CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Coxswain Grade 1 NC	1	243	746	1029	1221	1258	1266	1288	1471	1214	939	612	287	110	34	4	11723
Coxswain Grade 2 NC		82	264	339	401	431	408	364	348	303	231	123	52	15	3		3364
Coxswain Grade 3 NC		62	218	334	382	390	353	331	305	259	182	67	18	8			2909
Exemption 38	9	11	42	77	60	47	40	45	35	38	19	7	3				433
Master (Inland Waters)			3	2	6	8	11	7	12	10	10	11	9	13	2		104
Master <100m NC				1	7	16	37	37	59	39	51	35	19	7	5		313
Master <24m NC	1	47	484	913	1236	1207	1288	1289	1288	1109	911	620	294	146	44	5	10882
Master <45m NC			26	119	274	393	476	449	493	467	416	227	104	35	17	2	3498
Sailing Master Coastal NC					1					1							3
Sailing Master Offshore NC				1	4	2		2	4	4	6	6	4		2		35
Total	11	445	1784	2818	3590	3750	3881	3814	4015	3446	2765	1706	786	337	105	11	33264

This report provides the number of active certificates that are held. A specific seafarer will be counted multiple times if they hold multiple certificates.

Near Coastal Engine CoC - Capacity by Age

Engine Near Coastal Certificate of Competencies



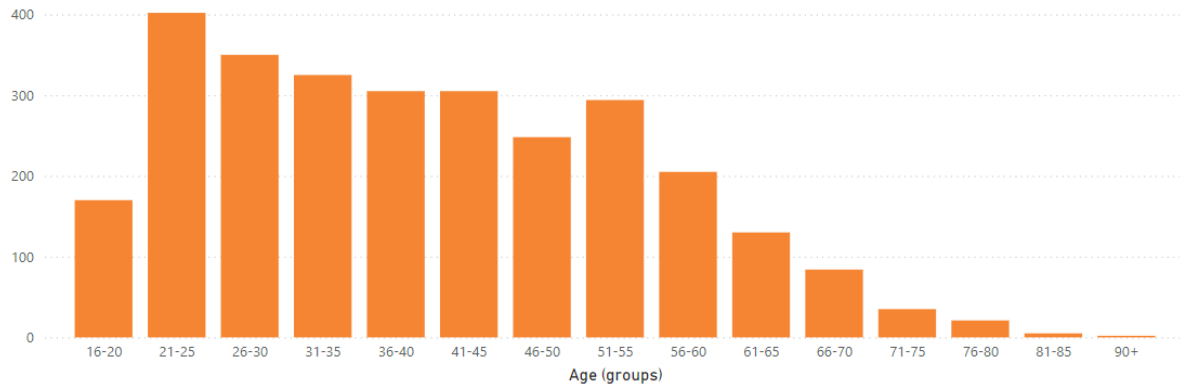
CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Engineer Class 3 NC				17	56	79	101	95	105	98	98	53	22	2		726	
Marine Engine Driver Grade 1 NC		12	41	91	137	147	146	183	179	153	73	26	12	1		1201	
Marine Engine Driver Grade 2 NC	1	23	372	747	971	1001	1071	932	943	755	574	358	142	59	20	5	7974
Marine Engine Driver Grade 3 NC	12	82	125	232	266	330	376	411	438	413	286	158	77	25	3	3234	
Total	1	35	466	930	1350	1483	1649	1549	1642	1470	1238	770	348	150	46	8	13135

This report provides the number of active certificates that are held. A specific seafarer will be counted multiple times if they hold multiple certificates.

Near Coastal General-Purpose Hand CoC - Capacity by Age

Near Coastal General Purpose Hand

CapacityType ● General Purpose Hand NC



CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total
General Purpose Hand NC	170	402	350	325	305	305	248	294	205	130	84	35	21	5	2	2881
Total	170	402	350	325	305	305	248	294	205	130	84	35	21	5	2	2881

NEAR COASTAL CoC – GENDER BY AGE

The graphs and tables below provide a breakdown of the number of Near Coastal CoC holders by gender and age.

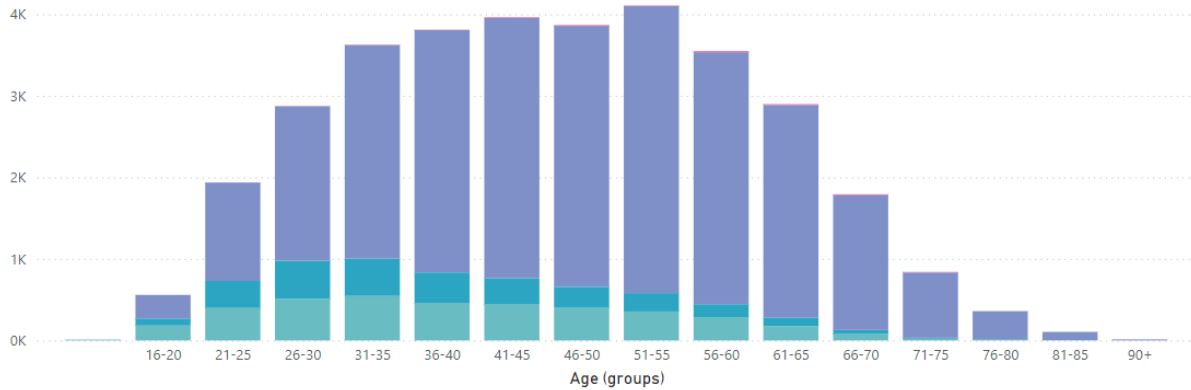
A specific seafarer will be **counted only once** within their category (Deck, Engine, Other) regardless of the number of CoC's they hold.

AMSA's gender related records are historical. Gender information is based on data inherited from state and territory maritime agencies during the transition to the national system.

All near coastal CoC holders – gender by age

All Near Coastal Certificate of Competencies

Gender ● Female ● Male ● X



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Female	10	183	398	509	546	453	440	400	355	286	175	78	21	5		3859	
Male	86	332	470	457	382	322	258	226	159	106	50	12	10	3		2873	
X	1	290	1207	1894	2619	2971	3193	3200	3519	3090	2605	1653	800	344	102	13	27501
Total	11	559	1937	2876	3627	3812	3964	3868	4108	3548	2898	1792	840	360	105	13	34318

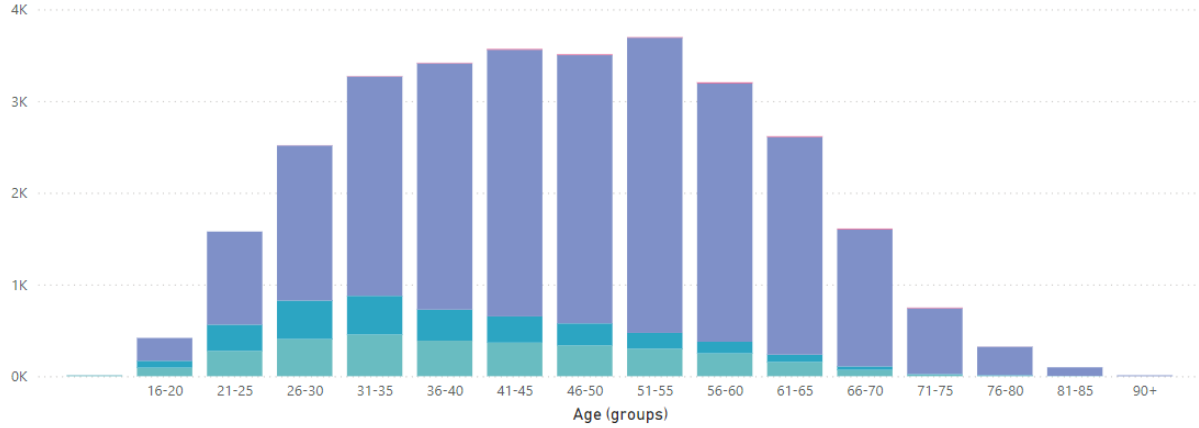
There are 34,318 individual seafarers who hold Near Coastal CoC's. Information held by AMSA indicates the following:

- 2,873 identify as female,
- 27,501 identify as male,
- 3,944 seafarers have no gender information associated with their record.

Near Coastal Deck CoC – Gender by age

Deck Near Coastal Certificate of Competencies

Gender ● Female ● Male ● X



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Female	10	93	276	405	455	387	366	336	299	249	155	69	17	4		3121	
Male	1	249	1015	1690	2391	2684	2907	2925	3219	2816	2372	1492	716	309	94	10	24890
X				2	4	6	9	9	6	12	9	10	7	1			75
Total	11	417	1577	2517	3271	3416	3568	3510	3697	3204	2616	1609	747	322	97	10	30589

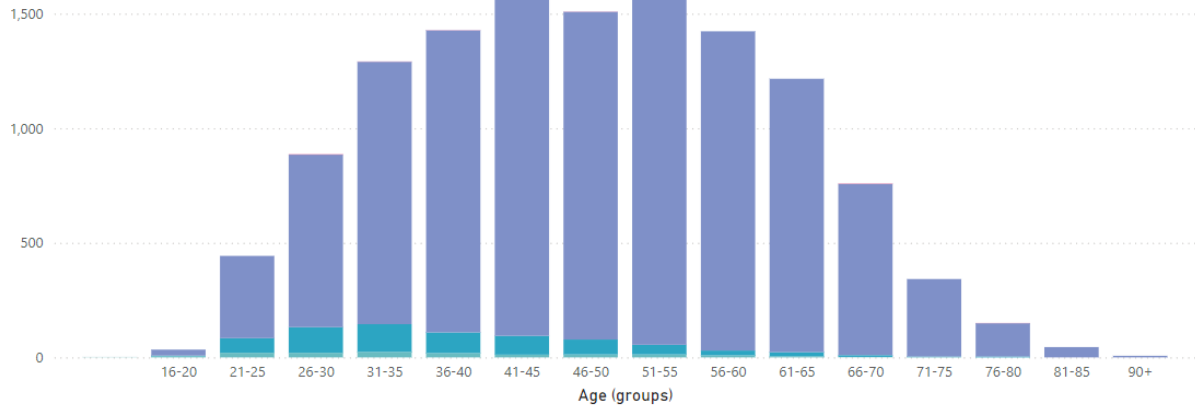
There are 30,589 individual seafarers who hold Near Coastal Deck CoC's. Information held by AMSA indicates the following:

- 2,503 identify as female,
- 24,890 identify as male,
- 3,196 seafarers have no gender information associated with their record.

Near Coastal Engine CoC – Gender by age

Engine Near Coastal Certificate of Competencies

Gender ● Female ● Male ● X



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Female	1	5	20	20	24	19	12	13	13	9	5	2	1			144	
Male		3	64	112	121	90	82	65	42	21	18	8	3	4		633	
X		26	359	753	1145	1318	1480	1430	1539	1393	1193	747	338	145	45	7	11918
Total	1	34	443	887	1291	1428	1575	1509	1594	1423	1216	759	342	150	45	7	12704

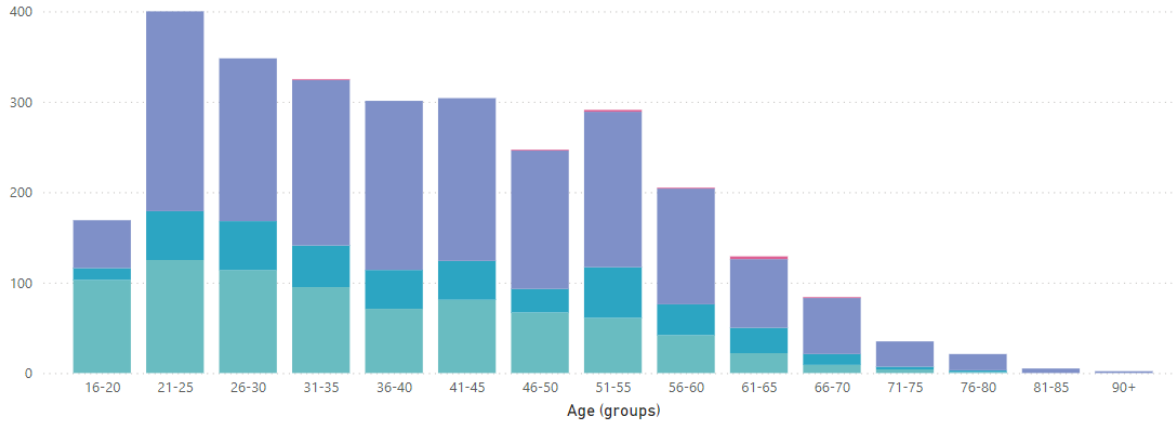
There are 12,704 individual seafarers who hold Near Coastal Engine CoC's. Information held by AMSA indicates the following:

- 633 identify as female,
- 11,918 identify as male,
- 153 seafarers have no gender information associated with their record.

General Purpose Hand – Gender by age

Near Coastal General Purpose Hand

Gender ● Female ● Male ● X



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total
Female	103	125	114	95	71	81	67	61	42	22	9	4	1	0	0	795
Male	53	221	180	183	187	180	153	172	128	76	62	28	18	5	2	1648
X	0	0	0	1	0	0	1	2	1	3	1	0	0	0	0	9
Total	169	400	348	325	301	304	247	291	205	129	84	35	21	5	2	2866

There are 2,866 individual seafarers who hold General Purpose Hand CoC. Information held by AMSA indicates the following:

- 414 identify as female,
- 1,648 identify as male,
- 804 seafarers have no gender information associated with their record.
