ARINC 424 NavData - Coding Tailored Records Commercial & Military Aviation

- **GE & Honeywell – All Markets (CA, MA, BGA)**
- **Garmin, Collins Aerospace, CMC Electronics, Universal Avionics (CA, MA)***

*NOTE: For Business and Generation Aviation operations using avionics systems by Garmin, Collins Aerospace, CMC Electronics or Universal Avionics, please reference the Business & General Aviation tailored fee schedule

MODEL CA-TN-1

DESCRIPTION:

Upon customer request and confirmation of tailored coding feasibility, Jeppesen will code customer supplied information as tailored NavData records which can be available to include in one or more tailored ARINC 424 databases. Depending on intended use, each database can be used by the customer in raw form or can be supplied to a Jeppesen approved 3rd party company for processing to meet end-system requirements.

The Tailored Coding Service consists of:

- Feasibility assessment of the customer supplied information to ensure the information can be coded and supported
- Initial coding to Jeppesen's master ARINC 424 database
- Sustainment and ongoing maintenance of the data, including changes to each existing tailored record
- Processing of the customer supplied information into each tailored code, each NavData cycle
- Note: one month every year there is two or more cycles. During that month, the invoice will reflect 2 or more cycle's worth of data charges.

The Tailored Coding Service Fees herein only account for the coding and maintenance of the customer supplied information.

These additional fees apply for the Tailored NavData Service which accounts for the sales, distribution and support of the NavData services, which includes both standard and customer supplied information on a one-time or cyclic basis. See applicable NavData subscription service fee schedule based on the customer's intended use.

All pricing herein is in EURO and subject to change.

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1. APPROVED AVIONICS OEMs

Tailored NavData is available for avionics from the following OEMs:

Honeywell

UNIVERSAL AVIONICS an Elbit Systems Company

CMC Electronics

Collins Aerospace

GARMIN

2. TAILORED CODING FEES:

Initial Coding Fees:

Description	Price	Unit
Standard Instrument Approach, Arrival or Departure Procedures	€ 232	Per procedure, per tailored code
Company Routes	€ 9,24	Per route, per tailored code
Basic Data (waypoints, airport gates, airway segments, other data points)	€ 4,80	Per item, per tailored code

Maintenance Fees:

Description	Price	Unit
Standard Instrument Approach, Arrival or Departure Procedures	€ 11,54	Per procedure, per tailored code, per cycle
Company Routes	€ 1,87	Per route, per tailored code, per cycle
Basic Data (waypoints, airport gates, airway segments, other data points)	€ 0,70	Per item, per tailored code, per cycle

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3. TAILORED REVISION REQUIREMENTS:

Revisions to Customer Supplied Data will be submitted by Customer to Jeppesen at the earliest possible date but no later than 27 days prior to the next AIRAC effective date in order to ensure adequate time for input into Customer's database. Jeppesen will use its commercially reasonable efforts to include all revisions to Customer Supplied Data in one of the next AIRAC Cycles following receipt of the written revision request. If Jeppesen is unable to include any of Customer's requested revisions to Customer Supplied Data in the next AIRAC Cycles following receipt of the written revision request, Jeppesen will inform Customer of such deferral.

4. LATE REVISION REQUESTS:

Under special circumstances approved by Jeppesen, late processing of Customer Supplied Data prior to the effective date may be supported for additional fees.

Past Cut-off Requests (in addition to tailored coding fees above):

Description	Price	Unit
Late Fee	€ 297	Per procedure, per tailored code, per event
Reprocessing Fee	€ 1.889	Per event, per tailored code

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JEPPESEN / GE AVIATION SYSTEMS FMS NAVDATA SERVICE

Commercial Aviation

MODEL CA-GE

DESCRIPTION:

The **GE Aviation FMS *NavData*® Update Service Fees** in this fee schedule are the fees for each International Civil Aviation Organization (ICAO) Aeronautical Information Regulation and Control (AIRAC) cycle for an annual service which provides database updates every 28 days in accordance with the ICAO AIRAC schedule. The total fee is the sum of 4 potential items, a Fleet Fee, Tailored Data Fee (if applicable), RNP Service Fee (if applicable), and Additional Service Fees such as immediate handling of post-cutoff database processing needs (if applicable). The Fleet Fee is based on the number of GE Aviation FMS equipped aircraft in the customer's fleet. Other fees for additional services may apply.

All pricing herein is in EURO, is subject to change, and may be rounded.

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Schedule #	Description
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4.	NavData Training
5.	Media & Report Fees
6.	Reprocessing / Mid Cycle Revision Fees
7.	Additional Services Available ▪ Tailored Coding Service ▪ RNP Services

1. FLEET FEE – CA DESIGNATION (Commercial Use)

The CA Fleet Fee is calculated based on the total number of GE Aviation FMS equipped aircraft in the customer's fleet. An increase or decrease in the total number of aircraft will trigger a Fleet Fee adjustment in the billing period following the change. Fleet Fees are determined using the CATR table (page 3).

2. FLEET FEE – MD DESIGNATION (Multiple Database)

If a customer needs a second, third, etc. GE NavDatabase, the subsequent database(s) will be billed as a MD NavDatabase. The MD Fleet Fee is calculated based on the total number of GE Aviation FMS equipped aircraft in the customer's fleet. An increase or decrease in the total number of aircraft will trigger a Fleet Fee adjustment in the billing period following the change. Fleet Fees are determined using the MDTR table (page 4).

3. FLEET FEE – TA DESIGNATION (Simulator and Test)

A unique FMS Database may be provided for use in a simulator only. Simulator databases may be loaded in ground based simulators only and may not be loaded in an actual aircraft.

Test databases may be provided to Customer on request. Test databases may be used for analysis, evaluation and testing in aircraft simulators and other ground based analysis, evaluation and testing tools. Use of test databases in actual flight is not authorized, except under strictly controlled test conditions with the expressed written authorization of Jeppesen.

Pricing for Simulator and Test databases are calculated by taking 50% off the price of a full priced NavDatabase, rounded up to the nearest **EURO**. Test databases are calculated using the one tail price, Simulator databases are calculated based on the number of simulators utilizing the NavDatabase.

4. NAVDATA TRAINING

NavData training is available for customers as requested. Basic ARINC 424 principle's will be covered in addition to information about how Jeppesen gathers source documents and process's them into an FMS readable output. GE tools and available GE produced reports will also be covered in this training. A 2 day NavData training will be conducted once a year at Jeppesen's facilities in Denver or Neu-Isenburg and includes up to 6 trainees per year. For training conducted outside of Denver or NI, additional fees will apply to cover travel and other expenses.

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CATR Fleet Fee per AIRAC Cycle in Euro									
# Acft	Fee	# Acft	Fee	# Acft	Fee	# Acft	Fee	# Acft	Fee
1	€ 4.678	51	€ 10.051	101	€ 12.981	151	€ 16.008	201	€ 17.989
2	€ 5.384	52	€ 10.109	102	€ 13.044	152	€ 16.064	202	€ 18.022
3	€ 5.686	53	€ 10.167	103	€ 13.103	153	€ 16.120	203	€ 18.054
4	€ 5.929	54	€ 10.225	104	€ 13.163	154	€ 16.172	204	€ 18.086
5	€ 6.136	55	€ 10.281	105	€ 13.225	155	€ 16.225	205	€ 18.119
6	€ 6.318	56	€ 10.338	106	€ 13.285	156	€ 16.276	206	€ 18.150
7	€ 6.483	57	€ 10.395	107	€ 13.345	157	€ 16.327	207	€ 18.181
8	€ 6.635	58	€ 10.450	108	€ 13.408	158	€ 16.376	208	€ 18.210
9	€ 6.775	59	€ 10.507	109	€ 13.467	159	€ 16.424	209	€ 18.244
10	€ 6.906	60	€ 10.561	110	€ 13.527	160	€ 16.472	210	€ 18.273
11	€ 7.029	61	€ 10.615	111	€ 13.590	161	€ 16.518	211	€ 18.305
12	€ 7.146	62	€ 10.671	112	€ 13.649	162	€ 16.562	212	€ 18.338
13	€ 7.256	63	€ 10.725	113	€ 13.709	163	€ 16.608	213	€ 18.368
14	€ 7.365	64	€ 10.779	114	€ 13.771	164	€ 16.652	214	€ 18.401
15	€ 7.464	65	€ 10.833	115	€ 13.831	165	€ 16.696	215	€ 18.433
16	€ 7.562	66	€ 10.886	116	€ 13.893	166	€ 16.740	216	€ 18.463
17	€ 7.657	67	€ 10.941	117	€ 13.952	167	€ 16.782	217	€ 18.492
18	€ 7.750	68	€ 10.992	118	€ 14.013	168	€ 16.822	218	€ 18.524
19	€ 7.838	69	€ 11.048	119	€ 14.074	169	€ 16.862	219	€ 18.554
20	€ 7.927	70	€ 11.097	120	€ 14.135	170	€ 16.903	220	€ 18.585
21	€ 8.010	71	€ 11.160	121	€ 14.194	171	€ 16.944	221	€ 18.617
22	€ 8.095	72	€ 11.219	122	€ 14.256	172	€ 16.984	222	€ 18.646
23	€ 8.177	73	€ 11.279	123	€ 14.317	173	€ 17.022	223	€ 18.677
24	€ 8.256	74	€ 11.342	124	€ 14.376	174	€ 17.060	224	€ 18.707
25	€ 8.334	75	€ 11.403	125	€ 14.438	175	€ 17.098	225	€ 18.739
26	€ 8.411	76	€ 11.464	126	€ 14.496	176	€ 17.136	226	€ 18.770
27	€ 8.486	77	€ 11.525	127	€ 14.558	177	€ 17.173	227	€ 18.799
28	€ 8.563	78	€ 11.585	128	€ 14.620	178	€ 17.210	228	€ 18.830
29	€ 8.637	79	€ 11.645	129	€ 14.679	179	€ 17.246	229	€ 18.860
30	€ 8.709	80	€ 11.707	130	€ 14.740	180	€ 17.282	230	€ 18.891
31	€ 8.779	81	€ 11.768	131	€ 14.801	181	€ 17.319	231	€ 18.921
32	€ 8.850	82	€ 11.827	132	€ 14.861	182	€ 17.354	232	€ 18.951
33	€ 8.919	83	€ 11.889	133	€ 14.920	183	€ 17.391	233	€ 18.982
34	€ 8.987	84	€ 11.950	134	€ 14.983	184	€ 17.423	234	€ 19.013
35	€ 9.056	85	€ 12.011	135	€ 15.043	185	€ 17.459	235	€ 19.044
36	€ 9.123	86	€ 12.071	136	€ 15.104	186	€ 17.495	236	€ 19.073
37	€ 9.188	87	€ 12.132	137	€ 15.165	187	€ 17.529	237	€ 19.103
38	€ 9.255	88	€ 12.193	138	€ 15.224	188	€ 17.563	238	€ 19.134
39	€ 9.317	89	€ 12.253	139	€ 15.286	189	€ 17.597	239	€ 19.164
40	€ 9.382	90	€ 12.315	140	€ 15.345	190	€ 17.632	240	€ 19.195
41	€ 9.446	91	€ 12.374	141	€ 15.406	191	€ 17.662	241	€ 19.224
42	€ 9.509	92	€ 12.435	142	€ 15.468	192	€ 17.696	242	€ 19.255
43	€ 9.570	93	€ 12.496	143	€ 15.528	193	€ 17.730	243	€ 19.286
44	€ 9.633	94	€ 12.557	144	€ 15.588	194	€ 17.763	244	€ 19.317
45	€ 9.695	95	€ 12.618	145	€ 15.649	195	€ 17.796	245	€ 19.346
46	€ 9.753	96	€ 12.678	146	€ 15.710	196	€ 17.828	246	€ 19.375
47	€ 9.815	97	€ 12.739	147	€ 15.769	197	€ 17.862	247	€ 19.405
48	€ 9.876	98	€ 12.799	148	€ 15.831	198	€ 17.893	248	€ 19.436
49	€ 9.933	99	€ 12.862	149	€ 15.892	199	€ 17.927	249	€ 19.467
50	€ 9.992	100	€ 12.920	150	€ 15.949	200	€ 17.957	250	€ 19.498

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MDTR Fleet Fee per AIRAC Cycle in Euro									
# Acft	Fee	# Acft	Fee	# Acft	Fee	# Acft	Fee	# Acft	Fee
1	€ 2.384	51	€ 4.237	101	€ 4.679	151	€ 5.156	201	€ 5.632
2	€ 3.029	52	€ 4.246	102	€ 4.688	152	€ 5.165	202	€ 5.640
3	€ 3.266	53	€ 4.253	103	€ 4.697	153	€ 5.175	203	€ 5.651
4	€ 3.343	54	€ 4.261	104	€ 4.706	154	€ 5.184	204	€ 5.662
5	€ 3.398	55	€ 4.269	105	€ 4.717	155	€ 5.192	205	€ 5.670
6	€ 3.440	56	€ 4.278	106	€ 4.726	156	€ 5.204	206	€ 5.679
7	€ 3.479	57	€ 4.288	107	€ 4.735	157	€ 5.213	207	€ 5.688
8	€ 3.514	58	€ 4.294	108	€ 4.745	158	€ 5.221	208	€ 5.699
9	€ 3.546	59	€ 4.302	109	€ 4.754	159	€ 5.230	209	€ 5.708
10	€ 3.641	60	€ 4.311	110	€ 4.764	160	€ 5.241	210	€ 5.717
11	€ 3.670	61	€ 4.319	111	€ 4.776	161	€ 5.252	211	€ 5.726
12	€ 3.698	62	€ 4.325	112	€ 4.784	162	€ 5.260	212	€ 5.738
13	€ 3.722	63	€ 4.332	113	€ 4.793	163	€ 5.268	213	€ 5.746
14	€ 3.745	64	€ 4.339	114	€ 4.801	164	€ 5.280	214	€ 5.757
15	€ 3.769	65	€ 4.349	115	€ 4.813	165	€ 5.288	215	€ 5.766
16	€ 3.788	66	€ 4.356	116	€ 4.821	166	€ 5.297	216	€ 5.775
17	€ 3.811	67	€ 4.362	117	€ 4.831	167	€ 5.307	217	€ 5.783
18	€ 3.830	68	€ 4.368	118	€ 4.839	168	€ 5.317	218	€ 5.794
19	€ 3.846	69	€ 4.375	119	€ 4.852	169	€ 5.327	219	€ 5.804
20	€ 3.868	70	€ 4.383	120	€ 4.861	170	€ 5.336	220	€ 5.813
21	€ 3.882	71	€ 4.394	121	€ 4.869	171	€ 5.346	221	€ 5.822
22	€ 3.900	72	€ 4.402	122	€ 4.877	172	€ 5.355	222	€ 5.832
23	€ 3.915	73	€ 4.411	123	€ 4.890	173	€ 5.364	223	€ 5.841
24	€ 3.932	74	€ 4.420	124	€ 4.899	174	€ 5.375	224	€ 5.851
25	€ 3.947	75	€ 4.431	125	€ 4.907	175	€ 5.385	225	€ 5.861
26	€ 3.960	76	€ 4.440	126	€ 4.915	176	€ 5.394	226	€ 5.870
27	€ 3.976	77	€ 4.450	127	€ 4.926	177	€ 5.402	227	€ 5.879
28	€ 3.988	78	€ 4.459	128	€ 4.936	178	€ 5.411	228	€ 5.889
29	€ 4.004	79	€ 4.469	129	€ 4.945	179	€ 5.421	229	€ 5.898
30	€ 4.016	80	€ 4.478	130	€ 4.956	180	€ 5.433	230	€ 5.908
31	€ 4.027	81	€ 4.489	131	€ 4.966	181	€ 5.441	231	€ 5.918
32	€ 4.040	82	€ 4.498	132	€ 4.974	182	€ 5.451	232	€ 5.928
33	€ 4.054	83	€ 4.506	133	€ 4.983	183	€ 5.459	233	€ 5.936
34	€ 4.064	84	€ 4.514	134	€ 4.994	184	€ 5.471	234	€ 5.947
35	€ 4.076	85	€ 4.525	135	€ 5.003	185	€ 5.480	235	€ 5.955
36	€ 4.088	86	€ 4.536	136	€ 5.012	186	€ 5.488	236	€ 5.966
37	€ 4.099	87	€ 4.545	137	€ 5.021	187	€ 5.497	237	€ 5.976
38	€ 4.111	88	€ 4.555	138	€ 5.032	188	€ 5.507	238	€ 5.984
39	€ 4.122	89	€ 4.564	139	€ 5.042	189	€ 5.519	239	€ 5.994
40	€ 4.131	90	€ 4.574	140	€ 5.050	190	€ 5.527	240	€ 6.003
41	€ 4.143	91	€ 4.584	141	€ 5.059	191	€ 5.535	241	€ 6.014
42	€ 4.151	92	€ 4.594	142	€ 5.071	192	€ 5.546	242	€ 6.022
43	€ 4.162	93	€ 4.602	143	€ 5.080	193	€ 5.556	243	€ 6.031
44	€ 4.173	94	€ 4.610	144	€ 5.089	194	€ 5.566	244	€ 6.042
45	€ 4.182	95	€ 4.622	145	€ 5.097	195	€ 5.575	245	€ 6.053
46	€ 4.192	96	€ 4.631	146	€ 5.107	196	€ 5.584	246	€ 6.062
47	€ 4.200	97	€ 4.640	147	€ 5.116	197	€ 5.593	247	€ 6.070
48	€ 4.210	98	€ 4.649	148	€ 5.125	198	€ 5.601	248	€ 6.078
49	€ 4.219	99	€ 4.659	149	€ 5.137	199	€ 5.614	249	€ 6.089
50	€ 4.228	100	€ 4.671	150	€ 5.146	200	€ 5.623	250	€ 7.091

5. MEDIA & REPORT FEES

Media Fee: The Database Fee includes electronic data transfer (EDT) delivery of the database files each update cycle via Internet website download, file transfer protocol (FTP) or other EDT method agreeable between the parties. It also includes electronic NavData NOTAMs posted weekly on the Jeppesen Web Site.

Electronic data transfer: No additional charge (communication costs not included)

Note: Electronic data transfer requires use of the GE Aviation Disk Generation Tool (DGT) or the NavDatabase Explorer (NDBE) tool by the customer. There is no charge for the DGT software or equivalent functionality in NDBE and initial set-up assistance. The customer is responsible for all data communications costs.

6. REPROCESSING / MID CYCLE REVISION FEES

Jeppesen offers Reprocessing / Mid-Cycle Revision Database services for customers who need a revised database, mid-cycle. If the reprocessed file requires more than one cycle to be reprocessed (dual cycle request), the customer will be billed a reprocessing fee for each cycle. The minimum turnaround time for these types of requests is 48 hours.

Description	Price	Unit
Reprocessing Fee – Single Cycle	€2.810	Per Delivery
Reprocessing Fee – Dual Cycle	€5.620	Per Delivery

If the customer requests tailored data coding changes, all tailored data initial coding fees will apply for adds, changes, and deletions, to tailored data. These fees are assessed on the next scheduled invoice following the reprocessing. Reprocessing fees are not assessed for reprocessing initiated by or caused by the actions of Jeppesen or GE Aviation.

A reprocessing fee is also assessed when a database is to adjust an oversized database that is due to customer request. A database is **oversized** when the data specified for inclusion in the Customer's database does not fit within the available FMS memory. In the event that a customer is not available to help adjust an oversized NavDatabase, Jeppesen reserves the right to modify the NavDatabase in order to get it to size appropriately.

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7. ADDITIONAL SERVICES AVIALABLE

TAILORED CODING SERVICE

Upon customer request and confirmation of tailored coding feasibility, Jeppesen will code customer supplied information as tailored NavData records which can be available to include in one or more tailored ARINC 424 databases. Depending on intended use, each database can be used by the customer in raw form or can be supplied to a Jeppesen approved 3rd party company for processing to meet end-system requirements.

The Tailored Coding Service consists of:

- Feasibility assessment of the customer supplied information to ensure the information can be coded and supported
- Initial coding to Jeppesen's master ARINC 424 database
- Sustainment and ongoing maintenance of the data, including changes to each existing tailored record
- Processing of the customer supplied information into each baseline file each NavData cycle

Tailored Coding fees are provided in a separate fee schedule titled:

ARINC 424 NavData - Coding Tailored Records

RNP SERVICES: Fee AC 90-101 Database Validation and Comparison

Jeppesen holds a letter of approval from the FAA certifying our RNP Validation and Comparison service. This service allows operators to contract Jeppesen to execute the requirements of AC 90-101 Appendix 3.

RNP Service fees are provided in a separate fee schedule titled:

RNP – Validation and Comparison

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