

**GOVERNMENT/INDUSTRY AERONAUTICAL CHARTING FORUM**  
**Instrument Procedures Group**  
**(Originally presented at ACF 93-01)**  
**HISTORY RECORD**

**FAA Control # 93-01-121**

**SUBJECT:** **Provision of Current IAP Procedural Directive Guidance to the Aviation Community (AC90-XX)**

**BACKGROUND:** *The original issue paper is not available electronically.* This Issue was submitted by ALPA at ACF 93-01. ALPA believes that FAA should publish guidance, apart from the Instrument Flying Handbook, relating to reading and interpreting US government approach charts with accompanying pilot procedures.

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**INITIAL DISCUSSION (Meeting 93-01):** Records of the initial discussion and minutes of meetings 93-01 through 94-02 are not available. It is noted that the suggestion was endorsed by consensus of the ACF.

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**MEETING 95-01:** The group agreed to leave this item open pending publication of AC 90-1A, which is almost done but not ready for distribution, also pending a re-write to the Instrument Flying Handbook. **ACTION: AFS-420.**

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**MEETING 95-02:** A draft copy of AC 90-XX, accomplished under contract for AFS-420, was provided to the group for informal comments. When approved, it will be incorporated into the Instrument Flying Handbook. **ACTION: AFS-420.**

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**MEETING 96-01:** A draft copy of AC 90-X was provided to the group for informal comments at the last meeting. The project was put on temporary hold due to budget constraints. AFS-420 has confirmed that money is now available to complete the project. When approved, it will be incorporated into the Instrument Flying Handbook. **ACTION: AFS-420.**

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**MEETING 96-02:** Bill Hammett, AFS-420, briefed that funding was available to complete publication of AC90-XX and that AFS-420 is working with the contractor to resolve comments from the previously circulated draft. (***Editorial Note:*** *It was noted after the meeting that funding did not include the TAA concept/procedures. AFS-420 is working through the GPS Program Office to obtain additional funding to add TAA procedures to the AC. TAA procedures will probably be published as Change 1).* During the discussion, the group also requested the status of the re-write of the Instrument Flying Handbook (AC61-27), noting that it was so outdated as to be a safety of flight issue. Jim Nixon, AFS-440, took an IOU to coordinate the re-write status within AFS and perhaps have an AFS-600 representative at the next ACF. Industry representatives volunteered to assist in the re-write and provided the

following points of contact: ALPA-Tom Young or Dave English, APA/AA-Pat Gallagher, AA-Dick McKinney. **ACTION: AFS-420 & AFS-440.**

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**MEETING 97-01:** Paul Best, AFS-420, briefed that AC90-XX was being circulated within FAA headquarters. All comments received from the circulation with members of the charting forum have been considered in this final version. Funds from the GPS office will not be available for the update to include the TAA and FMS procedures. Hopefully, funds may be available from an existing contract in Flight Standards to include these items. After this final coordination, the AC will go to printing. Jim Nixon, AFS-440, briefed that AFS-600 indicated that they hope to have the new AC61-27 published by the end of the year. **ACTION: AFS-420 & AFS-440.**

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**MEETING 97-02:** Paul Best, AFS-420, briefed that there has been no change in status since the last meeting. An update on the status of AC61-27 was not available. **ACTION: AFS-420 & 440.**

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**MEETING 98-01:** Howard Swancy, AFS-420, briefed that AC90-XX is being held for funding. This is an additional opportunity to coordinate and review the publication for additional changes. All comments received from the circulation with members of the charting forum have been considered in this final version. Funds from the GPS office will not be available for the update to include the TAA and FMS procedures. Hopefully, funds may be available from an existing contract in Flight Standards to include these items. After this final coordination, the AC will go to printing. Howard briefed that the Manager of AFS-800 agreed to place more emphasis on AC-61-27. Paul Best, the NAS NRS, will continue the publication process for AC90-XX. AFS-420 will continue to track the status of AC-61-27. **ACTION: AFS-400 & 420.**

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**MEETING 98-02:** Howard Swancy, AFS-420, briefed that that AFS-400 has received an outline of AC90-XX and will review it for publication. Paul Best, NAS NRS, will continue to track this publication. AFS-400 is also coordinating with AFS-600/800 on the re-write of AC60-27. AFS-600/800 have agreed to accept input from user groups for the re-write of AC 60-27. Tom Young, ALPA, advised that ALPA has volunteered to help (including writing support) with this for the past three years and FAA was unresponsive. It was also noted that the USAF and Army have recently updated their instrument flying manuals and much of the data is common for civil application. The military text could easily be assimilated into the FAA AC. Howard agreed to coordinate a meeting with those interested and AFS-600 to move this project along. Paul Best, AFS-400 will continue tracking AC90-XX. **ACTION: AFS-400 & 420.**

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**MEETING 99-01:** Howard Swancy briefed that there has been little progress on publication of AC90-XX over the past two years. He provided a copy of the last draft (circa 1995) to all attendees for review and comment. Once comments are received, he will prepare a new final draft, reserving space for new technologies. Jim Terpstra, Jeppesen, noted that once published, this guidance should be removed from AC61-27. Randy Kenagy, AOPA, recommended that one AC with all IFR flying material is preferable. Jim disagreed noting

that AC90-XX will be dynamic and that a small publication is easier to change. There was group discussion as to whether the publication was to provide only information on how to read and interpret government charts or how to actually fly the procedure. Tom Young, ALPA, noted that SAE G-10 has this issue as one of its highest priorities. He believes there is no document available that explains to pilots what is required to ensure compliance with TERPS when flying an instrument procedure. Howard also noted that AFS-600 is making progress on the re-write of AC61-27. A new contract has been let and a timeline set for a final draft NLT September, 1999. All attendees tasked to review the draft AC90-XX and provide comments to AFS-420 (Howard Swancy) by June 30<sup>th</sup>. AFS-420 will consolidate comments and track the publication. **ACTION: AFS-420.**

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**MEETING 99-02:** Howard Swancy, AFS-420, briefed that all attendees of meeting 99-1 were tasked to review the latest draft of AC 90-XX and provide comments to AFS-420 by June 30<sup>th</sup>. No comments were received. Wally Roberts, ALPA, emphasized the importance of the publication and noted that the project has been stagnating due to lack of FAA in-house staffing and/or contractual moneys. He recommended that the FAA again pursue contracting the project and seeing through to publication. He also added that the final product encompass both US government and Jeppesen charts. There was discussion on the appropriateness of a US government publication addressing interpretation of a non-government publication. Howard agreed to take the issue back to FAA to discuss priority and OPI. **ACTION: AFS-420.**

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**MEETING 00-01:** Howard Swancy, AFS-4, briefed there has been little action on this issue. At meeting 99-02, he agreed to take the issue back to FAA to discuss priority and OPI; however, no action to move the project was forthcoming. He also added that no industry comments were received from the draft he provided at meeting 99-01. Bill Hammett, AFS-420 (ISI), stated that the aforementioned draft AC was outdated and poorly written. He further stated that, due to the enormity of the project and the time required, he believes that a new contract is the only way success will be achieved. Bill went on to note that the Instrument Procedures Subgroup has, at several previous meetings, indicated that this is an important issue that needs to be worked. Jim Terpstra, Jeppesen, added support that the publication is needed, not only to explain the charts themselves, but also to explain pilot flight procedures for different charting symbols. Kevin Jones, USAF/AIS, volunteered to take the lead to provide input on the AC's content. It was recommended that Howard retain OPI of the issue and stress it's importance from his new position; he agreed to do so. **ACTION: AFS-4.**

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**MEETING 00-02:** Howard Swancy, AFS-4, briefed that it appears that contract funding will be available to develop the Advisory Circular (AC90-XX). AFS-600 will oversee the project, which should start in February, 2001. Bill Hammett, AFS-420 (ISI), asked Howard to ensure the draft AC is circulated through ACF membership for comment prior to finalization. Kevin Jones, USAF-12 OG/AIS, has been leading an effort to develop an outline of material to be included in the AC. He requested that all members review and provide input on the draft outline that he circulated for comment last month. This outline will be provided to AFS-600 as a baseline for the AC development. Howard agreed to follow up on contractual funding and report at the next meeting. **ACTION: AFS-4.**

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**MEETING 01-01:** Howard Swancy, AFS-4, briefed that contract funding will be available to develop the Advisory Circular (AC). He estimates that a contract will be let within the next 30-45 days and he hopes to have a product for review in Sept. **ACTION: AFS-4.**

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**MEETING 01-02:** Norm LeFevre, AFS-420, briefed that Flight Standards has awarded a contract to produce the directive. The intent is to produce a comprehensive publication that will be on a routine change cycle. Norm distributed a proposed outline of content for members to review and noted that the ACF will be requested to review and provide input on the product as it is developed. In order to manage input, Norm has been assigned as the sole government focal point for input to the contractor. A small ad hoc group, led by Norm, will accomplish periodic reviews of the product during development. **Editors Note:** Norm also briefed this issue at the Charting Portion of the ACF. **ACTION: AFS-420.**

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**MEETING 02-01:** Norm LeFevre, AFS-420, briefed that the Flight Standards contract to produce the directive is progressing. An expanded outline of Chapter 1 and an initial draft outline of Chapter 2 have been received. The contract has an the end of year deadline to produce the product. Norm is also pressing AFS-4 to ensure that funding will be available for 6-month updates. Jim Terpstra, Jeppesen, questioned whether the writing group was told exactly what the product to include, i.e., to replace AC 91-1A. Norm said it was doubtful and that he would ensure this was done. **ACTION: AFS-420.**

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**MEETING 02-02:** Tom Schneider, AFS-420, briefed that Steve Winter has been recently assigned as the AFS-420 OPR for this project since the departure of Norm LeFevre. Thus far, the contractor (Jeppesen) has provided drafts of Chapters 1 (IFR Operation In The NAS), 2 (Takeoff And Departure), and Appendix A (Airborne Navigation Databases) for review. The drafts are currently under review within AFS-420, the Regional AWOs, and AVN-100. AFS-420 response is due Jeppesen by mid November. The goal remains to have the project completed by the end of the year. Steve is still getting up to speed on the issue and will provide a more complete update at the next Forum. **ACTION: AFS-420.**

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**MEETING 03-01:** Tom Schneider, AFS-420, briefed a report by Steve Winter, the AFS-420 OPR for the issue, indicating that progress is being made, albeit a bit behind schedule. The final layouts of Chapters 1,2,3, & 4, are due the week of April 28. Chapter 6 and Appendices A and B are due the following week. Chapter 5 is still in work. Jim Terpstra clarified that the contractor actually doing the work is not actually Jeppesen, but a Jeppesen subsidiary, ASAC. Tom also briefed that the publication will not be in Advisory Circular format. Rather it will be a handbook, officially identified as "FAA-H-8261-1, Instrument Procedures Guide". The acronym "IPG" will be used for reference. **ACTION: AFS-420.**

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**MEETING 03-02:** Bill Hammett, AFS-420 (ISI), briefed a report by Steve Winter, AFS-420. ASAC/Jeppesen has delivered a printer's draft of the Instrument Procedures Handbook FAA-H-8261-1 to AFS-420. This draft has been reviewed within AFS-400 and all comments addressed with appropriate changes made by Jeppesen. These changes have been posted to the printer's draft and forwarded to AFS-200, 600, and 800 for further review and comment

with a suspense date of November 1st. Any further required changes will be forward to Jeppesen. A camera ready document and disk should then be available. A completed product is hoped to be available for the next ACF meeting. **ACTION: AFS-420.**

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**MEETING 04-01:** Tom Schneider, AFS-420, briefed a report provided by Steve Winter, AFS-420. The Instrument Procedures Handbook, FAA-H-8261-1, has been completed and sent to the printer. The publication should also be on the AFS-420 web page within the next two weeks. Tom had a copy of the Handbook available for review by anyone interested. **Issue Closed.**

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