

To:	ALMA Executive Committee
Cc:	ALMA System Engineers
From:	U.S. Division Head and European Team Manager for Receivers
Date:	10 April 2000
Subj.:	ALMA Project Book

The U.S. Division Head and European Team Manager for receivers have been asked by the ALMA System Engineers to “upgrade the MMA Project Book into an ALMA Project Book”. Before putting a lot of effort into this task we would like to have the view of the AEC on the following points:

1. How does the AEC see the purpose and role of the ALMA Project Book ?
2. What is the relationship between the ALMA Project Book (receiver chapters) and the ALMA Phase 1 Joint Receiver Work Program ?
3. What is the AEC’s opinion about how designs and developments should be handled which are outside the scope and definitions of the Project Book ?
4. By which process does the ALMA Project Book become an agreed and binding ALMA document for the joint project (if at all) ?
5. What schedule is the basis for the Project Book ? Our understanding is that critical technology (i.e. dewar, cryocooler, initial bands, LO) will be selected end of 2001, production will start in April 2003, and first delivery is in Oct 2004. These dates will define to a large extent the receiver baseline design. We would like the AEC to confirm that we should base the proposed baseline design on these dates (i.e. later developments cannot be considered). We would also like to know from the AEC how delays in the schedule will be handled.
6. The specifications for the receivers are unclear in several respects. We were under the impression that the recommendations of the Leiden meeting were definitive after approval by the ACC. However some of the specifications in the draft document seem to be incorrect or ambiguous. We propose to generate the receiver specifications, circulate them and ask for comments, submit them to the AEC for approval. At this point the receiver specifications would be frozen. We cannot tolerate repeated changes in the receiver specifications. Does the AEC agree to this procedure ? Work on the receiver chapters can start as soon as we have a clear and common understanding on the issues raised above.

Wolfgang Wild and John Payne