ECS Configuration Change Request

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1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Org.
Richard Strub	12/8/99	99-1205	-	301 614 6742	N126-8	M&O

8. Title of Change: Obtain Approval For Modifications Made To CSS Code and Merge into The ECS Baseline.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date:
	II	I CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 26).
Gary J Roth 12-8-99	Update Baseline	Routine

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected: CSS/IDG

19. Release Affected:	20. Date due to Customer:	21. Impl. Date:	22. Estimated Cost:
5A +			None

23. Source Reference: ☐NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:

24. Description of Change: (use additional Sheets if necessary)
EcSbGui initialization performance has been enhanced. (15 min -> 1 min.) Subscription Display Filtering has been enhanced. (The same code is used in both cases) This was accomplished by changing the way the client retrieves subscriptions from the server. The way this is currently done is: the client retrieves a list of subscription IDs and then for each ID it connects to the server which connects to the database which retrieves the entire subscription for each ID. Initialization is so slow because the client does a reconnect with the server for each subscription and event. This change affects code to the subscription GUI and server

25. Proposed Solution: (use additional sheets if necessary)
The change I made, and propose to baseline, is for the client to retrieve a list containing not only the subscription IDs (or event IDs), but containing the entire subscription (or event). Thus all of the subscriptions can be loaded immediatly into a subscription collector for display. Subscription Display Filtering works the same way.The Edit Subscription function, which needs a UR, is not affected by this CCR as the EcSbGui does not use the object already obtained in initialization but re-connects to the server to retrieve anew the subscription to be edited

26. Alternate Solution: (use additional sheets if necessary)
An alternate solution is to have the client connect to the database directly, as the distribution GUI does. However as filtering uses the same code the above solution seemed to be the simplest.

27. Consequences if Change(s) are not approved: (use additional sheets if necessary)
The DAACs will continue to develop work-arounds to avoid using the subscription GUI. A 15 minute initialization rather than a 1 minute initialization

28. Justification for Emergency (If Block 15 is "Emergency"):

29. Site(s) Affected: ☒EDF ☒Mini-DAAC ☒VATC ☒EDC ☒GSFC ☒LaRC ☒NSIDC ☐SMC ☒AK ☒JPL ☒EOC ☐IDG Test Cell ☐Other

30. Board Comments:	31. Work Assigned To:
Will be worked under NCR # ECSed13628.	

32. EDF/REL2 CCB Chair (Sign/Date):	33. Disposition: Approved / A/C / Disapproved / Fwd/ECS / Fwd/ESDIS	34. (TBD)
35. M&O CCB Chair (Sign/Date): 1/4/00 Richard A. Gurney FOR Bill Burford	36. Disposition: Approved / A/C / Disapproved / Fwd/ECS / Fwd/ESDIS	37. CM Manager's Closure:
38. ECS CCB Chair (Sign/Date):	39. Disposition: Approved / A/C / Disapproved	40. CCR Closed Date:

ORIGINAL