

Resumption of Disconnected Session

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Overview



Sessions by Science User are conducted from a different ECS Client location

User develops new and modify existing queries over several sessions

Demonstrates security and naming/directory service concepts across multiple ECS sites/DAACs

Describes user services for statusing pending requests

Describes disconnected client session scenario



Preconditions and Definitions

All hosts are configured into some ECS DCE cell

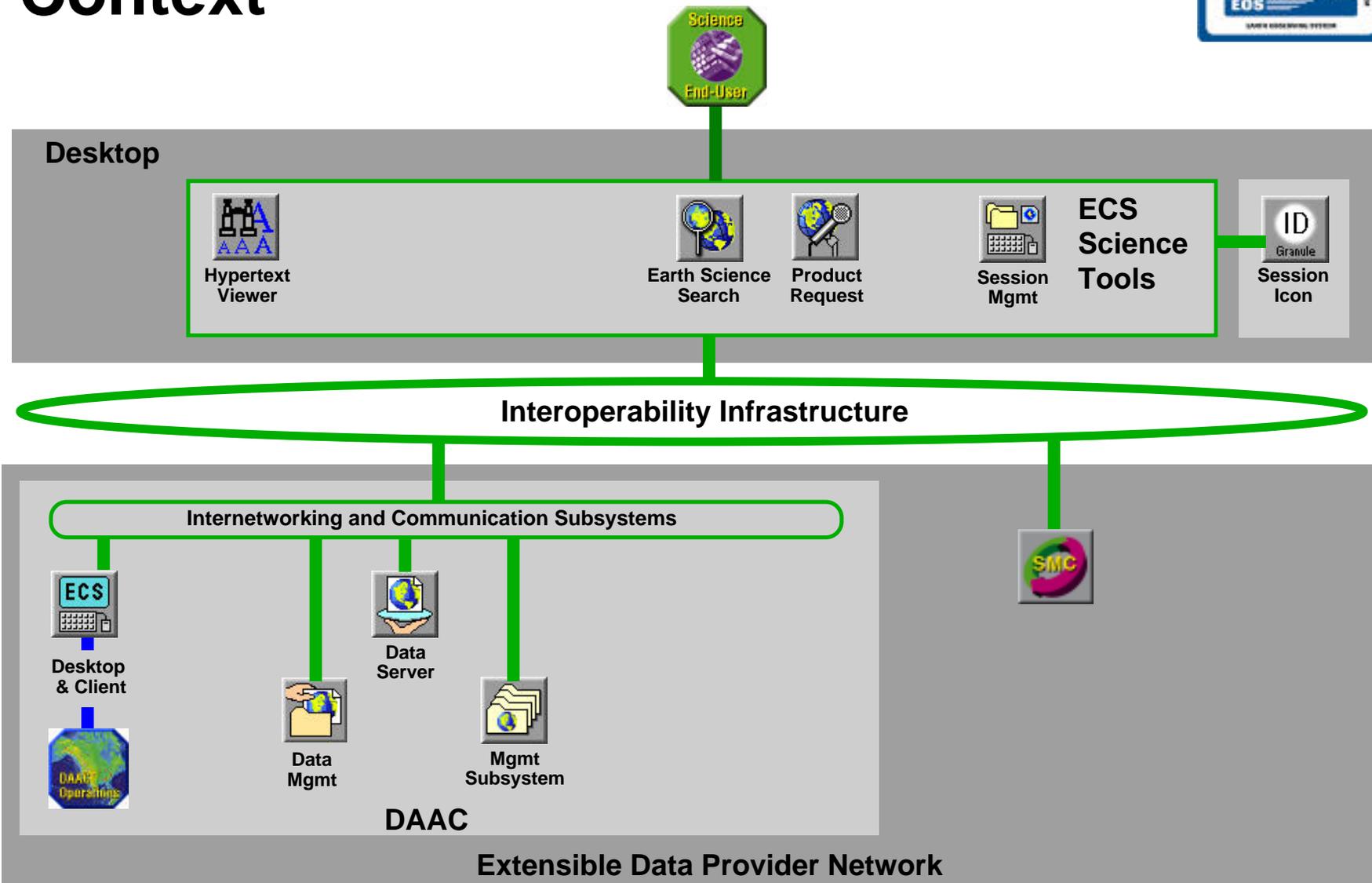
The user has a registered ECS account [has a valid user-id and password – presented in detail at the User Registration/Profile drill down]

Distributed Security authentication and authorization is accomplished by Communications Subsystem (CSS) security services

Distributed Services are located transparently using Universal References (URs) and CSS directory/naming services

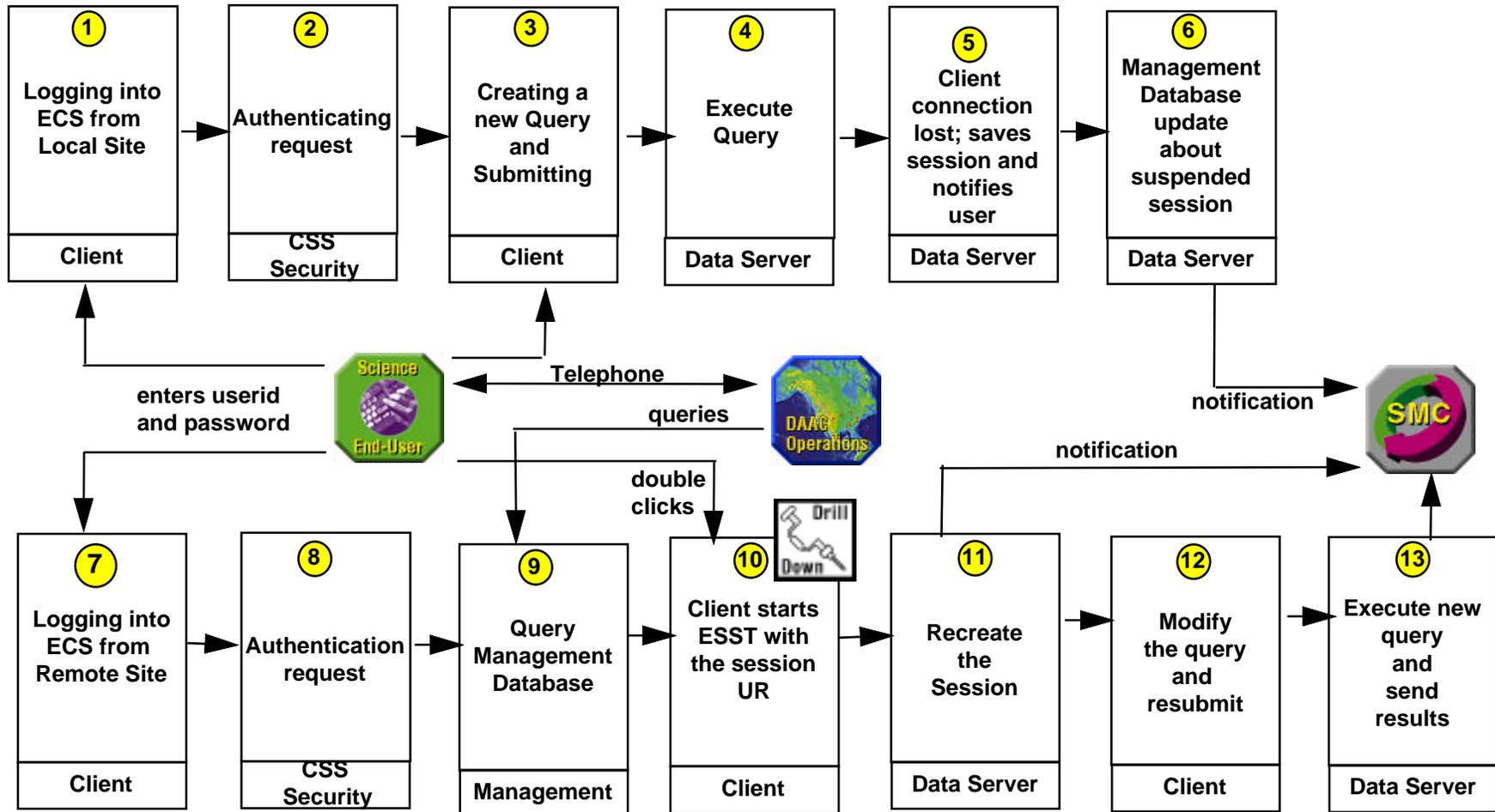


Disconnected Session Pull Context

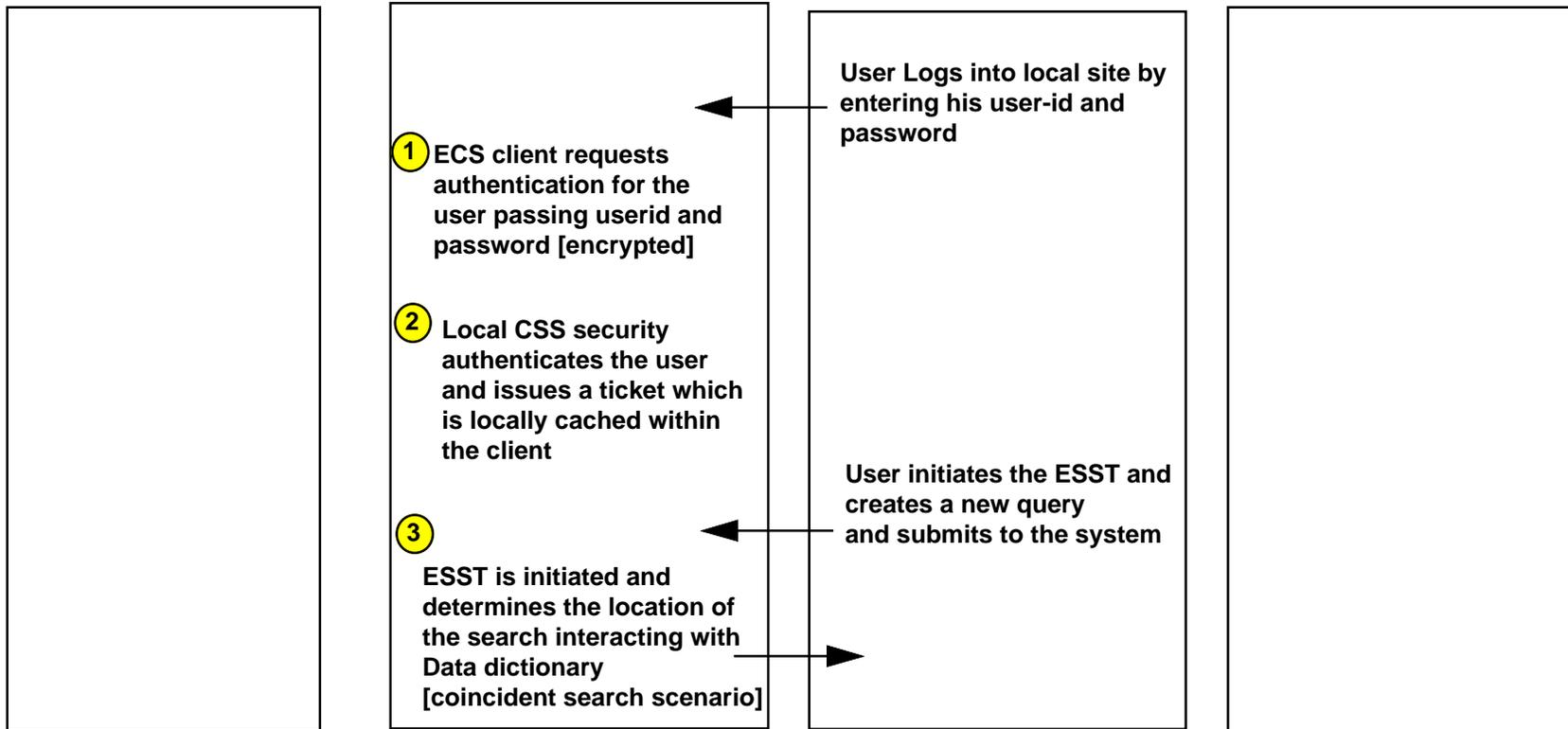




Disconnected Session Functional Flow Diagram



Disconnected Session Authentication and Session Creation



Disconnected Session Request Processing and Sessions Management



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Data Server receives the query, creates a new session to process the user's query request

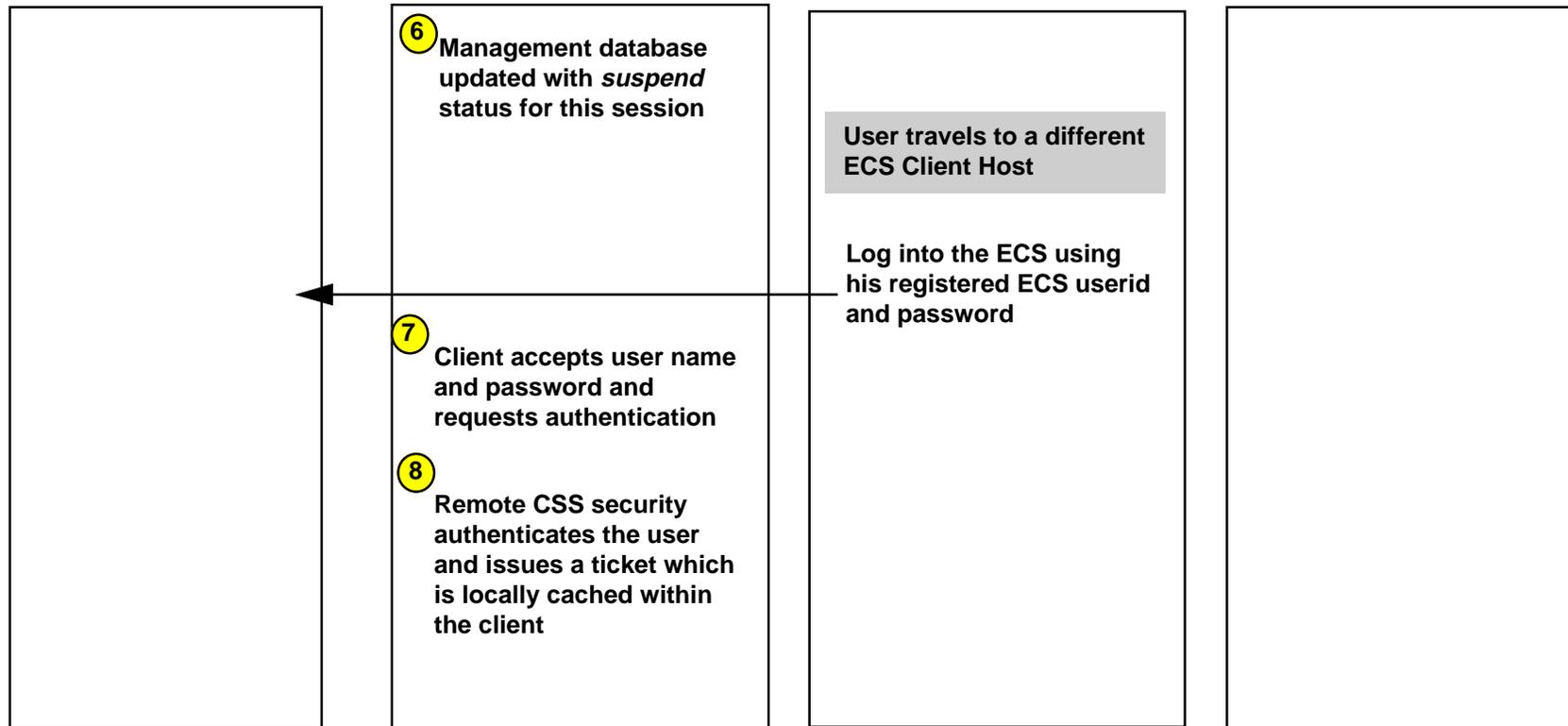
Management database updating the status for this session

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Data Server continues processing the request until the query completes. When the Data Server detects that it cannot communicate to the client, the session is suspended by the Data Server and the current state is saved. The user is sent a email with the saved session UR

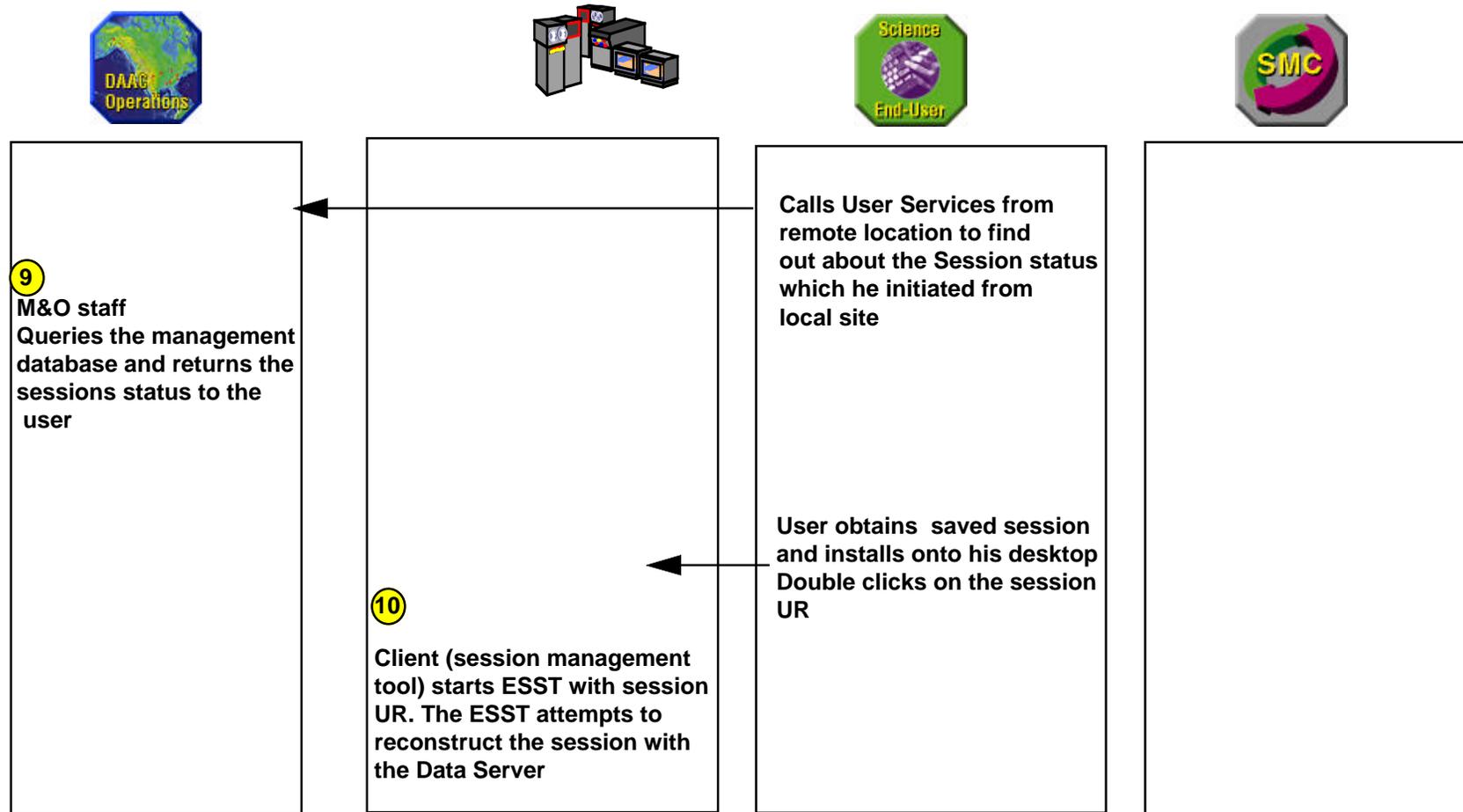
Client gets disconnected [unintentionally]

Disconnected Session User Services Interface

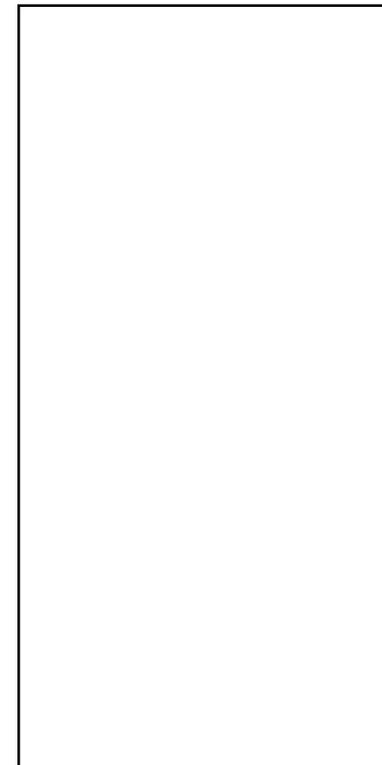
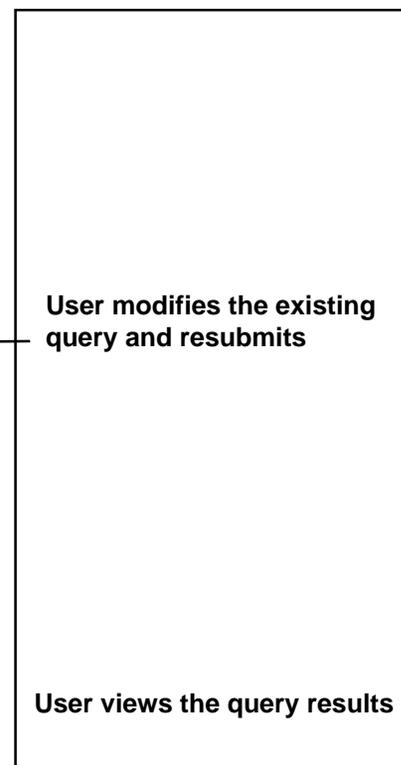
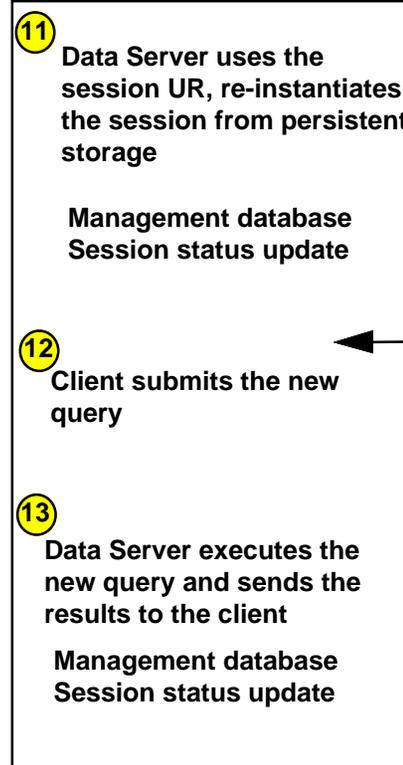


Disconnected Session

Authenticating and Re-Initializing the Session



Disconnected Session Resubmitting and Viewing the Results



Disconnected Session

Suspending a Session



Same scenario as the disconnected session except

- **when the user suspends a session intentionally, the System returns him with a session UR which he can use and reinstall it on his desktop**
- **Once he has the UR same steps are repeated as the disconnected session**