COMPREHENSIVE LARGE ARRAY-DATA STEWARDSHIP SYSTEM (CLASS) Accelerated Application Development (XAD) Process

NOAA/NESDIS/Office of Systems Development/Ground Systems Division/CLASS project Accelerated Application Development (XAD) provides a process solution that is useful for rapid application development.



Access to the data in CLASS and additional data sources (e.g., other NOAA data archives)

Process Highlights:

- XAD allows user requirements to be developed and tested in a quickturnaround cycle
- A single multi-requirement CCR is generated to reduce change processing time
- XAD is test driven creating a shortened feedback loop allowing for refactoring with a high degree of confidence
- XAD focuses on creating a working system as quickly as possible while maintaining a software baseline that requires careful planning and execution
- Several iterations of a problem solution are allowed in the XAD process rather than understanding and resolving the problem in one pass
- Each iteration produces a more complete understanding of the problem and a more complete solution
- The XAD process allows use of productive strategies and tools and unconventional approaches in the development environment and life cycle
- Frequent planning keeps the NEAAT team focused on the most pressing customer requirements



Benefits:

high-performance team

Joins business and project technical experts together into a

Acronyms: API **Application Programming** Interface CCB **Configuration Control Board** CCR **Configuration Control** Request **CLASS** Comprehensive Large Arraydata Stewardship System **NEAAT** NOAA Enterprise Archive Access Tool PR Problem Report WR Work Request



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