Application Usability Level Checklist

Application _____ for end user _____

Project name and/or acronym _____

Phase I:

AUL1: Basic Research

❑Basic research is documented and disseminated

❑Ideas for how the product or service would meet the needs of a user

❑Potential interested users are identified

AUL2: Establishment of users and their requirements for a specific application

❑Decide on a specific user(s) and they are

_____

❑Contacted the user

❑Will communicate with the user every _____
   using (check all that apply)
       ❑Skype, google hangouts, or other meeting service
       ❑Email or mailing list : _____
       ❑Phone:_____

❑The application is : _____

❑The requirements and metrics necessary for this application and the user
   needs are:_____

_____

_____

AUL3: Establishment of users and their requirements for a specific application

❑Application, user, metrics, and requirements are disseminated

❑All components of the project has been deemed viable and feasible

❑Characterization of the baseline performance and limitations has been
   completed

❑The project has been deemed an improvement on the state of the art

❑The project has been deemed viable.

❑The project has been deemed feasible.

Phase I completed on _____. Ready to move to Phase II

Application Usability Level Checklist

Application _____ for end user _____

Project name and/or acronym _____

❑Will communicate with the user every _____
   using (check all that apply)

   ❑Skype, google hangouts, or other meeting service

   ❑Email or mailing list : _____

   ❑Phone:_____

Phase II:

AUL4: Initial integration and verification

❑All components are integrated into the application

❑Organizational and human processes issues identified and managed.

AUL5: Demonstration in the relevant context

❑Reported on the project's viability and improvement upon the state of the art.

❑Application components are integrated into a functioning application system

❑The project is shown to work in the relevant context and within operating parameters.

AUL6:Complete validation

❑ The prototype has passed beta testing in a simulated operational environment

❑ Improvements on state of the art and/or in decision making context have been demonstrated.

❑ The projects progress, metrics, and validation have been disseminated:

_____
_____
_____
_____
_____
_____

Phase II completed on _____. Ready to move to Phase III

Application Usability Level Checklist

Application _____ for end user _____

Project name and/or acronym _____

❏ Will communicate with the user every _____
   using (check all that apply)
      ❏ Skype, google hangouts, or other meeting service
      ❏ Email or mailing list : _____
      ❏ Phone:_____

Phase III:

AUL7: Application Prototype

❏ The system is fully integrated into the operational environment.

❏ The system's functionality is tested in the operational environment

❏ The system's functionality is demonstrated in the operational environment

❏ The new functionality is reported on to the wider community.

AUL8:Validation in relevant "real world" environment

❏ The user has approved the addition of the new product to their operational
   system

❏ Product is shown to meet the specified requirements and metrics.

❏ The Application is qualified and approved by the user

❏ The product documentation is completed and given to the user

❏ The user training for the product has been completed.

AUL9: Approved for on-demand use towards stated application.

❏ The product is in a sustained and repeated use by the user

❏ Long term validation is completed in the operational environment

❏ The use of the product for this application in the operational environment is
   reported to the wider community.

❏ Application location (e.g. URL, DOI)_____

Phase III completed on _____. Ready to continue the long
term validation and next application