

## Code review checklist

Project Name	
Project Manager Name	
Software Development/Delivery Manager (SDM) Name	
Reviewed By	
Developer Name	
Date of Review	
Code meant for which version	
Reference Id of Release note	
Module Name	
Purpose of change in short	

<b>General Observations</b>	
Does the code build correctly?	Yes
Does the code execute as expected?	Yes
Do you understand the code you are reviewing? Write the specific purpose.	Yes
Has the developer unit tested the code?	Yes
<b>Comments and Coding Conventions</b>	
Does the code respect the project coding conventions?	Yes
Does the source file start with an appropriate header and comments?	Yes
Are variable declarations properly commented?	Yes
Are units of numeric data if any, clearly stated?	Yes
Are all functions, methods and classes documented?	Yes
Are complex algorithms and code optimizations adequately commented?	Yes
Does code that has been commented out have an explanation?	Yes
Are comments used to identify missing functionality or unresolved issues in the code?	NA
<b>Error Handling</b>	
Are errors properly handled each time a function returns?	Yes
Are resources and memory released in all error paths?	Yes
Are all thrown exceptions handled properly?	Yes
Is the function caller notified when an error is detected?	Yes
Has error-handling code been tested?	Yes
Have Transaction Rollbacks been done to	NA

appropriate level?	
<b>Resource Leaks</b>	
Is allocated memory (non-garbage collected) freed?	Yes
Are all objects (Database connections, Sockets, Files, etc.) freed even when an error occurs?	Yes
Is the same object released more than once?	No
<b>Control Structures</b>	
Are loop ending conditions accurate?	Yes
Is the code free of unintended infinite loops?	Yes
<b>Performance</b>	
Are whole objects duplicated when only references are needed?	No
Does the code have an impact on size, speed, or memory use?	Yes
In SQL Queries – Do WHERE Clauses use the 'LIKE%' Clause? Do WHERE Clauses use the UPPER function? Is SELECT * used anywhere in the code?	No No No
	No
<b>Functions</b>	
Are function parameters explicitly verified in the code?	No
Are arrays explicitly checked for out-of-bound indexes?	NA
Are variables initialized before they are used?	NA
<b>Bug Fixes</b>	
Does a fix made to a function change the behavior of caller functions?	NA
Does the bug fix correct all the occurrences of the bug?	NA
<b>TFS Connectivity</b>	
Is the developer properly connected with TFS? If not please specify reason. If connected what is the Userid used?	Yes
<b>Database Related Review</b>	
Have the performance tuning steps been done for the query (if any) written for this code change?	NA
<b>Release Review</b>	
Have you ensured that the DLL(s) generated are in RELEASE mode	NA

<b>Additional Check Points</b>	
If no, then has any new function added in this project?	No
If some logic is changed, how the old data will behave?	NA
If some table is changed / added in the schema?	N

Any signature of the existing procedure is changed or not?	NA
Will the transaction data is changed for this CR, If yes, what is the retrospective effect?	NA
Dev TFS will be uploaded first, lastly in UAT TFS?(Y/N)	Y
Specify UATTFS files for this change	

**Further Observation and Findings:**

**Follow-up Review History**

Follow-up No.	Review Date	Reviewer

Sr. No.	Other Functional/technical Observations	Status	Closure Date