











Architectural Design Phase Defects Checklist <sup>1</sup>

| Nr. | Check Point / Defect Statement                                                                                                                   | Check Mark (✓) the Appropriate Column                                                 |                                                                                     |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |                                                                                                                                                  | Yes                                                                                   | N/A                                                                                 |
| A01 | Is the overall organization of the program clear, including good architectural overview?                                                         |    |                                                                                     |
| A02 | Is the subsystem and package partitioning and layering logically consistent?                                                                     |    |                                                                                     |
| A03 | Does the architecture account for all of the requirements?                                                                                       |    |                                                                                     |
| A04 | Are the classes in a subsystem supporting the services identified for the subsystem?                                                             |    |                                                                                     |
| A05 | Is there a coherent error handling strategy provided?                                                                                            |                                                                                       |  |
| A06 | Have classic design patterns been considered where they might be incorporated into the architecture?                                             |    |                                                                                     |
| A07 | Is the name and description of each class clearly reflecting the played role ?                                                                   |                                                                                       |  |
| A08 | Is the description of each class accurately capturing the responsibilities of the class?                                                         |   |                                                                                     |
| A09 | Are the role names of aggregations and associations accurately describing the relationship between the related classes?                          |  |                                                                                     |
| A10 | Are the key entity classes and their relationships consistent with the business model (if it exists), domain model (if it exists), requirements? |  |                                                                                     |

<sup>1</sup> source:[http://deg.egov.bg/LP/core.base\\_rup/guidances/checklists/software\\_architecture\\_document\\_D261D8F3.html](http://deg.egov.bg/LP/core.base_rup/guidances/checklists/software_architecture_document_D261D8F3.html)