**Emcure NPD - Change Request**

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| **Project Name** | Emcure NPD | **Change Number** | 01 |
| **Change Requested By** | Vikas Tripathi / Narendra Upasani | **Change Impact** | Very high |
| **Change title** | Changing architecture from monolithic MVC to Service oriented architecture (SOA) | | |
| **Change description** | As per discussion over Microsoft teams, Emcure stakeholders had confirmed that for this project we will go with service oriented architecture, since in the future they are having plan to build mobile application for same project. Infrastructure for this project will be on premises IIS server. | | |
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| **Initial proposal** | As per scope / proposal (3.2 - Technology/Environment Specifications "Page No: 11") we have estimated this application with Monolithic Core MVC application. | | |
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| **Change reason** | Client's request | | |
| **Action taken** | NeoSOFT team have prepared spreadsheet with difference between SOA, Monolithic & Micro services. NeoSOFT team have prepared new architecture diagram & shared with Emcure stakeholders. Emcure team have provided approval over architecture diagram and confirmation to go with SOA architecture. | | |
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| **Note** | **This impact will be on complete project, Here I have added this CR estimate for only those module whose requirement gathering is done**. SOA CR will be added separate for modules (Artwork & Dossier) which yet to identify in requirement gathering phase. | | |
| **Impact Modules**  **/ Associated Task** | 1. API application architecture & common utilities (swagger, response status, time out, error handling etc..) 2. Prepared sheet with difference between architecture (shared last week of April) 3. Prepared new SOA based architecture diagram 4. Every action throughout scope will need to go through API methods, so additional effort will be there to implement action methods and handle data transmission/timeout/request/response/error etc.. | | |

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| **Project Name** | Emcure NPD | **Change Number** | 02 |
| **Change Requested By** | Rahul Patil / SID | **Change Impact** | High |
| **Change title** | Number of master forms have been increased | | |
| **Change description** | We will have different masters to support PIDF module. | | |
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| **Initial proposal** | As per scope / proposal **(3.5.6 - Master Management "Page No: 15")** we have assumed (up to 8-10) masters, Now after requirement gathering phase we are having 25-30 masters | | |
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| **Change reason** | Client's request | | |
| **Action taken** | We have identified more masters in requirement gathering phase & same has been added into wire frame and SRS.  Wire frame: https://ahqi5f.axshare.com/ | | |
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| **Note** | **Here we are estimating for upto 30 masters, later if we will have more masters than need to estimate those separately.** | | |
| **Impact Modules**  **/ Associated Task** | 1. Development (CRUD Operation) of up to 30 master forms 2. Database schema for master forms 3. Testing efforts to test identified masters 4. UAT efforts 5. BA efforts to incorporate into SRS and Wire frame 6. PM efforts | | |

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| **Project Name** | Emcure NPD | **Change Number** | 03 |
| **Change Requested By** | Rahul Patil / SID | **Change Impact** | Very high |
| **Change title** | PIDF, PBF, IPD Module Complexity | | |
| **Change description** | PIDF module comes up with more new screen / complexity than mentioned in scope / proposal | | |
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| **Initial proposal** | As per scope / proposal we have estimated this with having 5-6 sub forms (Having around 7-10 fields) (3.11 - Work Breakdown Structure "Page : 36") & now it get increased to around 12+ sub forms with having multiple fields (some places we are having around 30+ fields) & calculations. We have identified some new screens as-well ex: charter summary in it. | | |
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| **Change reason** | Client's request | | |
| **Action taken** | We have identified more sub forms, screens & formulas in it & same has been added into wire frame and SRS.  Wire frame: https://ahqi5f.axshare.com/ | | |
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| **Note** |  | | |
| **Impact Modules**  **/ Associated Task** | 1. Development effort due to new charter summary & complexity of PIDF module 2. HTML Efforts will be required to prepare UI of accordion / tabs / tables. 3. Testing efforts to test identified masters 4. UAT efforts 5. BA efforts to incorporate into SRS and Wire frame 6. PM efforts | | |

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| **Project Name** | Emcure NPD | **Change Number** | 04 |
| **Change Requested By** | Rahul Patil / SID | **Change Impact** | High |
| **Change title** | Log History / Audit Trail for PIDF module | | |
| **Change description** | Need to maintain history/Audit Trail of complete PIDF form, where any updation happen with change in field values. This should managed through out PIDF, PBF, IPD, Commercial process | | |
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| **Initial proposal** | As per scope / proposal **(3.8.7 - PIDF approval "Page: 25")**, We have considered Audit trail for rejection and comment in NPD and PIDF. | | |
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| **Change reason** | Client's request | | |
| **Action taken** | We have identified this in requirement gathering phase & same has been added into wireframe and SRS. Wire frame: https://ahqi5f.axshare.com/ | | |
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| **Note** | Here we will maintain log history for complete PIDF module / process (PIDF, PBF, IPD etc..). We need to build generic solution for PIDF module to identify any value change in any field. | | |
| **Impact Modules**  **/ Associated Task** | 1. Development efforts due to audit trail to manage through out PIDF module 2. Testing efforts to test identified masters 3. UAT efforts 4. BA efforts to incorporate into SRS and Wire frame 5. PM efforts | | |

**Change Request - Costing**

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| Project Emcure NPD |
| Change Request : 1 |
| Date : 26th August 2022 |
| Man day’s Effort : 106 |
| CR Man-day rate as per the proposal : INR 6,500 |
| CR Cost : 6,89,000 + GST |

**Payment Terms**

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| **Description** | **Payment Milestone** | **Percentage** | **Cost (INR)** |
| Advance | Upon sign-off | 50 % | 3,44,500 + GST |
| Milestone - 1 | Upon UAT sign-off on Milestone 1 | 50 % | 3,44,500 + GST |