(15) Chepter 11 Hap SPC - In SIX Sigma.

SPC - in Six Sigma. Forms Page Shift The MANAGER Nosus (4) J of no shift in The means (of ucl-LCL) Rules for interpreting CPK & CP This Can happen due · in all other Coses CPR LCP - Control Chant CPK Commis be greater Than CP do assignable Causes. Lo Procen Considered onit PR is used to indicut Coninc or likely - Break Throng improved 70 go out of Conirol (long Term capability - Continual improvent o eftoral - Procum out of control (Short Term Capability Procents not - one point Indese (non shi ked process) omside Uchorleh · Point on of uch | Let capable to CPK= min of USL-Hear or Hear-LSL or a procum likely to meet requirmed Seven (or nine) points in The good of Central Vardalism due CPK7/ Procon is Capable Some side of Contactine or o mean has shifted For inherent of in Shif of mean. CAKT CB (3) Six (or eight) points allinguary Causes is high (For shift ed proces) sadion :--o adron? MoTorola Targeted amuch ligher or decreasing Remove assignable Reduce SD (Those one indication for assignable level of proun Capabilij which directly Causes using - They reduced PW to 125W depends on Corrective and · So CP = 300 = 2 preventive action non assignable Control emond acts as ICD Causes - VICL = Hear + 65 Let = Hear - 65 They Called Six Sigona Procum. - 10 Con of CP=1 -> Signa lod = 3×1=3 => defeat = 2700 in case of CP = 2 -> 5 mm louf = 3 y 2 = 6 2) defet = 0:007 - y proces shift 1.5 - CPK = 1.5 - CP = 3 - Signal lock=6. solefor= 3.4

(16) Chapter 121 Map. DHAIC Methodology DO Page 17 DHAIC POLIMO Six sigma NoThodologics. 1 nest page 3 > 17 Design for SIX sigmad Define. Measure Discipline - Jurpose (ford) DASS - Crathe data + Purpose - Prepare Plan 13 Problem solving for current/baseline Design for Is under stand the proten. - over Procem new project - RCA, Permanut Jup SIRPORC procen Corredive Action assijn - Redisign Systemic adim Res ponsibility Tof excising - Continual Steps/ Tools product proun improvent - CTA - design · Procen knowledg Define defeit Rossh fewer · Bench maky opportunity Olifert, start Perato. Phase · Corelection DHAIC Tolentify cop wr m 4.5 > VOC · ET glasmx Problem solving Defing Costomer Kans Sigma level. CTQ definition +, Questionnains and eta -> develop desa contecini 200 cen important Problem statement · Sampling Plans Plan, Formats D Calcut > Develop project · Goal Statemit 3 Continual · Bussina need data for CTR, CIP Charte + NSA (Measing system Dradyssi) improvent · Scap / Brounditer -> Validate Meusumit · Constrains · Calibration 1 you Break Throng h System · Resource to . Check sheet o Team Cruidelins improvent -> Collect data Tabulate , Dova sets. · Preliming Time line present in graph or bigh level Hap -> SIRPORC (SIPOG) - CP, CP1C, sigma luck Chans Lo Call culat Poston - assig responsibilities - Roles of The Team Capability / sigma Baseline. check list to Review review (chuk list) of next step

11 chapia 12 plap-DMAIC Methodology. 80 from Page 16 BB Page (18) B from Page 16 Analysis -THPROVE Control = Purpose - Purpose to find Rost Ceure - SENSNE improvement Finalize Solution To Carr and effect afra FM EA La gain and sussained relationship Pilot Fest La analy te procon maps. Steps / Tools Lo implement the - Defermine improved in Phone Solution ep, epic, sigma livel. - A with only cell STEP/ looks Phase. calculators for san - valuanalysis Phane Brain stormy
Dob - Develop Potential - I alendity Value - Non achieved. - Standardized work . Herrew procen -> dwelop and implement Toleas and Solution Value , crisial. · for chan -OFM EA (SOP, flow chow, ere) - Assem FH of Point Document Plan - o Hisiogram Potential Solutor Todatily sources Develop new - Mistak proofig o control chart -> develop and implement - Reduce Risk and undustand Competen cies OBOX & whister Poka Yoke. Nature of Variation Traing Plan > Contac chantle -> Plan and execut -> Veri lical sin - Develop and implant o Care and effect monifor CTP, CTP, - determine Solution on pilot Control Plan . Fishbone - Bain Storming ROOT Courses. s ask 5 whys -> fine Time -> Plan The audit schedil > PDCA. - Validation · Pareto Pareto--> implement complete -s determine vital and Andi Frequirment ->. Co religition analysis Solution · region on - Transfer of project to procon owner LO CP, CPK, DPMO Fren Xs a Design for experiment La checle performance Sigma level. o HypoThisis Tost after improveni -> Prepare Action plan La Brain Storming Validate. to explore unions Solution · SWOT Validate for nexT So The Course validate to move To rest steps)

8 frm Page 17 Project chanter - poblem statement:-Lo quantified description which we Paled in procen -> in clude Base line daily example 40% of over delivery Is not med in the Custome Equipmet 237. reject, 177- Rote delivy. b) of Goal statement! to be SMART SMART Achiende Red Realistic Smont Heasurable > Pecilice with 5 months Reduce error by 507. Cut nework a Bussinon need. effecting our Bussiness and costing us SAR XXXX pa monthe and will effet our position as leade in market

Px liming Plan - Scape Bourdrer Defin 3 weeks 71'n Scape - Measin 4 weeks delivant to Corporate - Central Burceks clineT -> ou scope delived to clients other Than Corporat clien e) Constraint our Team only available 3 days per week Team guidilm = ment at least price pa week - decisions will be Taken by Consensus of not reach , Team leads will make knall call. 9 Team Meanber Mr. -- Champion -> Ar- BB

_ Mr -- CIB

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