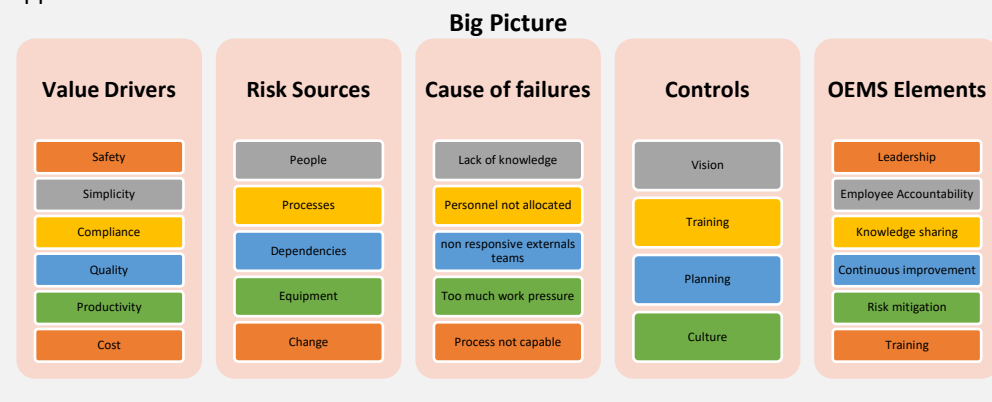


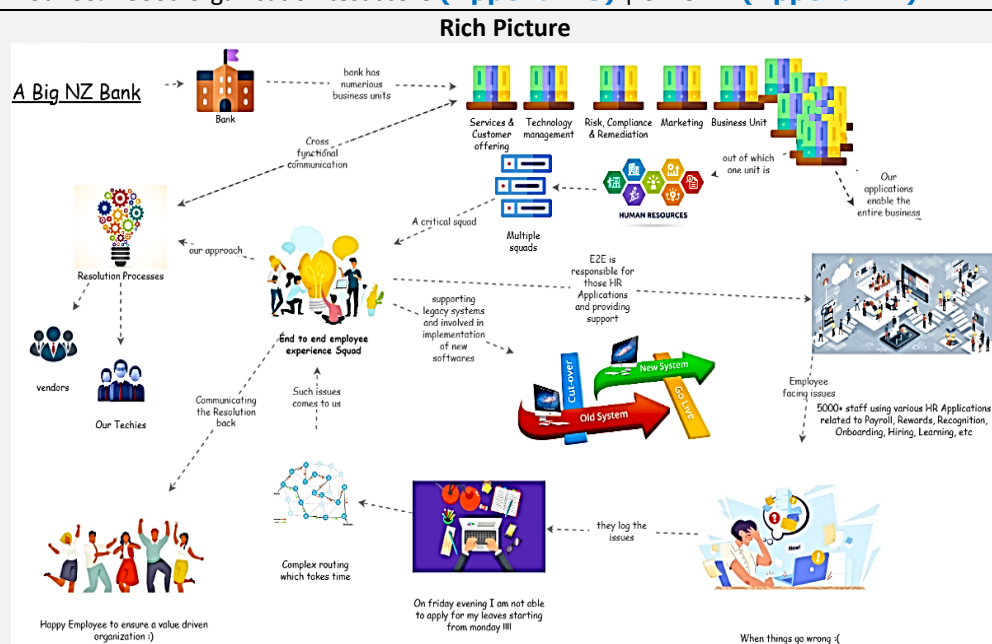
1. Background

The E2E Squad (**Appendix 1**) is a vital part of the human resource team in a reputable NZ Bank, which is providing immediate support to over 5000 employees. Squad is facing significant challenges in delivering operational excellence (**Appendix 2**) due to strict compliance procedures, adaptation of new software, and supporting various existing critical applications.



2.Current state

Not 100% Good organisation test score (**Appendix 3**) | CATOWE (**Appendix 4**)

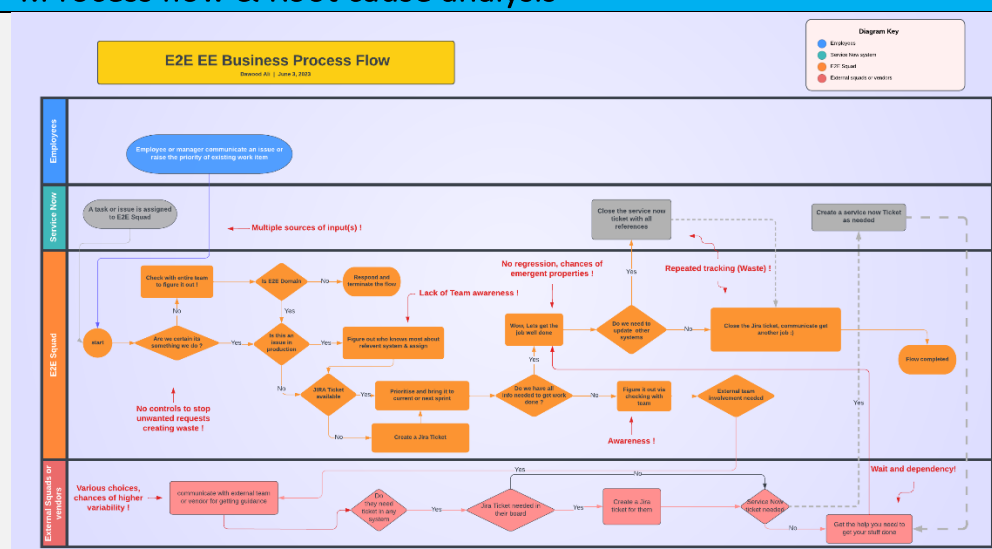


Our squad deliver somewhat what is needed but our turnaround time is higher, also due inadequate awareness of OE practices there is an opportunity to reduce waste and improve quality here. **(Appendix 7)**

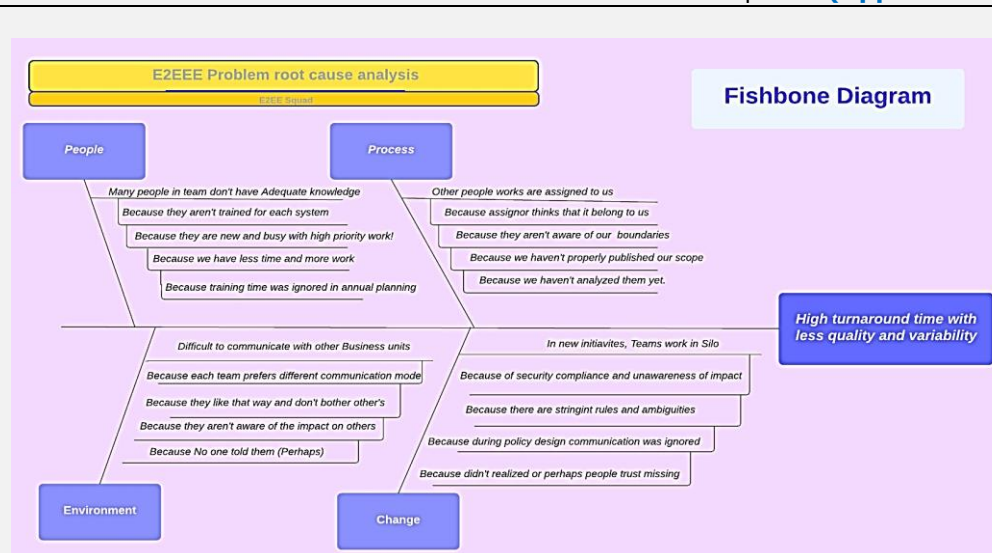
3.Vision for desired outcomes

- Well controlled pull-based system without UDE (Emergent Properties).
- Quality services with least variability that creates value for end customers.
- Reduction in operational cost in terms of time and monetary value.

4.Process flow & Root cause analysis

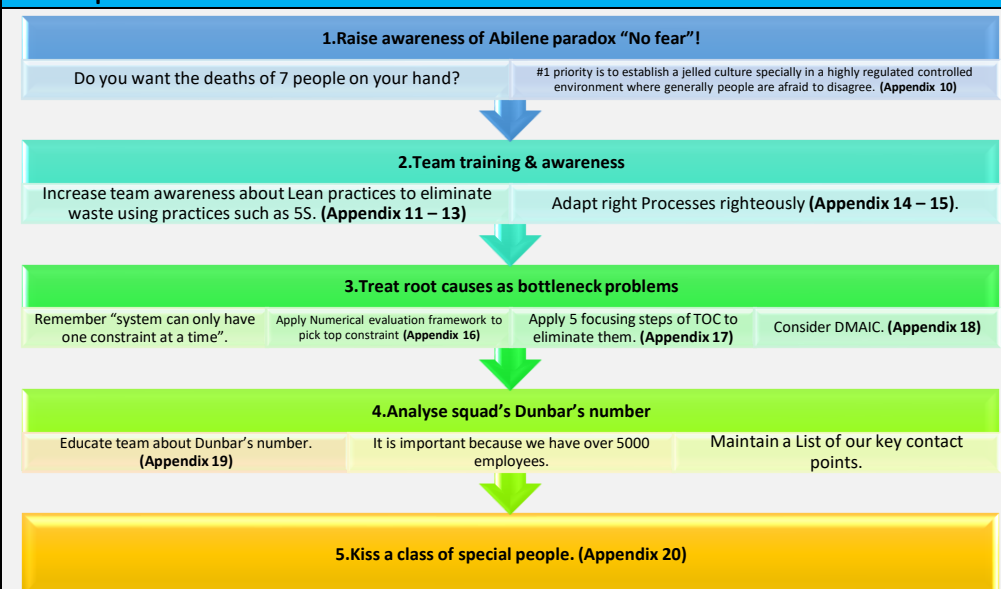


Clear picture (**Appendix 8**)

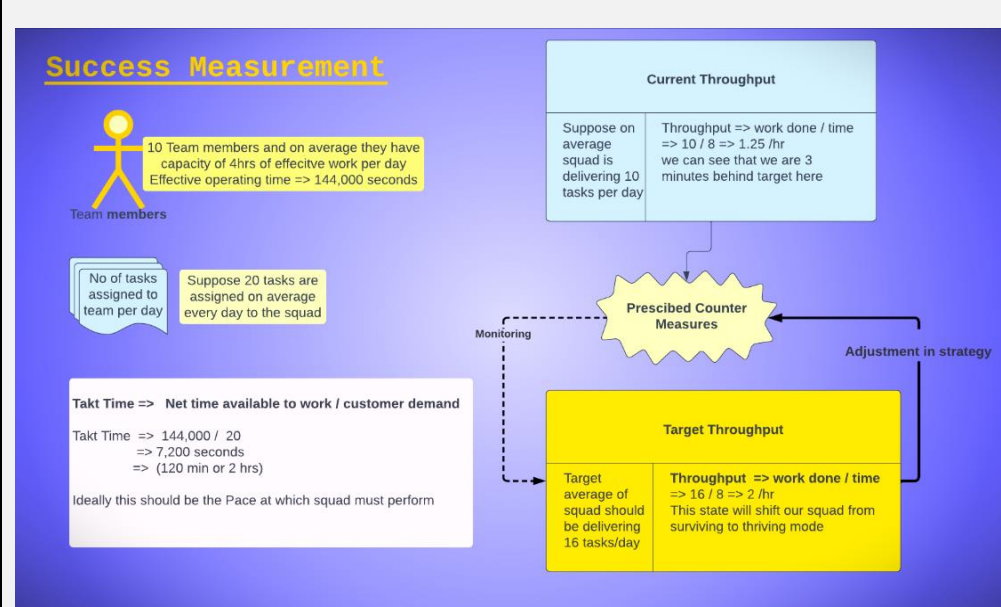


Clear picture (**Appendix 9**)

5. Proposed Counter Measures



6.Measurement



To measure success, we can utilize chase strategy by comparing Takt time ([Appendix 21](#)) with throughput, we can also harness the benefits of throughput accounting here as well to determine the profitability and worthiness of our squad. Please note that, values used in above diagram are arbitrary and are meant for illustrating the idea only.

7.Hypothesis

Strengthen: Strategically, we will be trying to strengthen our team position by raising their confidence, trustworthiness, knowledgebase, and capabilities via including everyone's feedback and criticism in line with Abilene paradox learning and then leveraging them with skills to adapt lean approaches.

Attack: With righteously selected tools and practices, we should be able to speed up our process with lesser waste, in deliverance of services for, e.g., avoidance of un-necessary meetings, avoidance of repeated work, or in nutshell avoidance of anything that does not add value.

Withdraw: Utilization of theory of constraint and DMAIC approach will not only ensure our continuous improvement but will also increase the throughput of our squad, which is critical in-service area, apparently it will enable us to deliver improved quality by allowing us to deliver more with our existing capabilities.

Defend: Finally, by appropriately utilizing the Geoff Cardwell four essentials we can ensure the failure safety of our system and processes, thus we will have no interruptions or undesirable events.

Nutshell: by doing above we will be having well controlled and efficient working arrangements with lesser variability and higher throughput, which consequently will result in higher quality and reduction in overall operational cost.

8. Plan



It is important to highlight that, to achieve operational excellence, we are required to drive changes with collaborative approach, involving all three pillars of Operational Excellence i.e., culture, leadership, and processes (**Appendix 23**) overall change process does require its due time with contribution from every stakeholder involved.

9. Follow-ups

- Regular monthly program follow-ups reviews
- Program completion meeting and outcome reporting + Documentations

Appendices

Appendix 1

[BACK](#)

E2EEE {End to end employee experience} Squad.

| Role | Count | Responsibility |
|------------------------------|-------|---|
| Service owner | 1 | Representative of entire squad, responsible for each entity and process within the domain and a key contact person for upper-level management. |
| Application Support Engineer | 2 | Responsible for monitoring and providing support to end users via triaging the issues with the technical team |
| Analyst / Programmer | 2 | Technical resource responsible for analysing and writing small computer programs to support various applications. |
| Integration Engineer | 1 | Technical resource responsible for overseeing the interconnecting system integrations and involved in various initiatives for inter system data exchange. |
| Solution Architect | 1 | Technical resource responsible for analysing the system architectures and providing the design prints for existing and intended systems. |
| Business Analyst | 1 | A key resource, responsible for overseeing the overall business process and ensuring their compliance with organizational standards. |
| Test Engineer | 1 | Technical resource responsible for testing and validating the applications that are being used and developed for end users. |
| Scrum Master | 1 | Responsible for conducting agile ceremonies and tracking the sprints to ensure the quality delivery of output over the agreed period. |

Appendix 2

[BACK](#)

Operational Excellence

Performance of effective and efficient work to fulfil the desired objectives in the delivery of product and services that satisfy customer's need with value and ability to continually improve the work.

Appendix 3

[BACK](#)

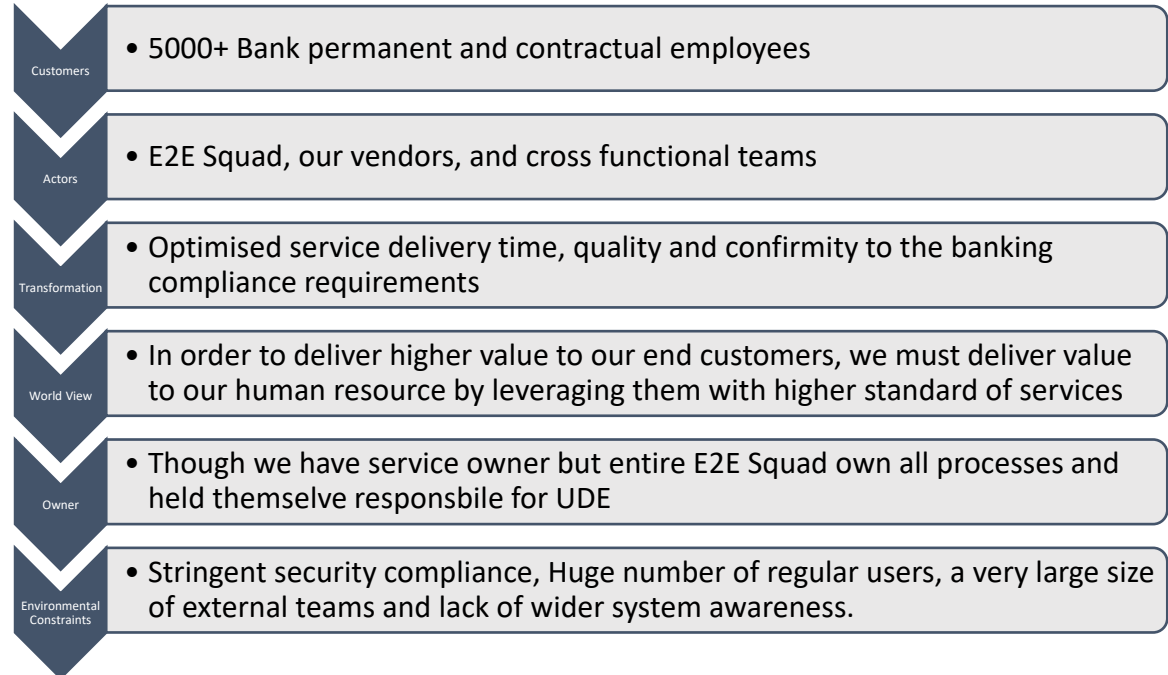
Nine tests of good organisation design



Appendix 4

[BACK](#)

CATOWE Checklist



Appendix 5

[BACK](#)

UDE (Undesirable Effect)

A central concept from TOC thinking processes, which represents effects that prevent the system of interest, or organization, from achieving its goal.

Appendix 6

[BACK](#)

Difference between Production & Service processes

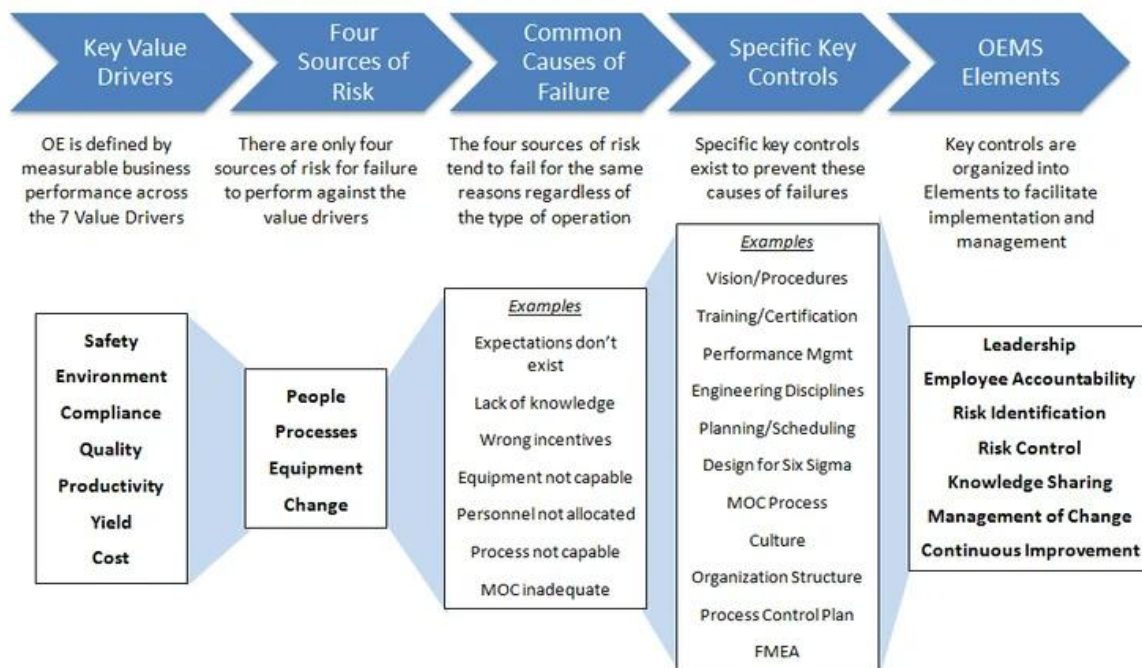
Manufacturing vs. Service

| | Manufacturer | Service Provider |
|-----------------------|-----------------------|------------------------|
| Nature of Output | Physical, durable | Intangible, perishable |
| Nature of Inventories | Can be inventoried | Cannot be inventoried |
| Customer Contact | Low | High |
| Response Time | Long | Short |
| Size of Market | Local ↔ International | Local |
| Size of Facilities | Large | Small |
| Capital Intensity | High | Low |
| Quality Measurement | Easy | Difficult |

Appendix 6.1

[BACK](#)

Foundations of the 7 Element OEMS: Key Controls & the 7 Elements



Appendix 7

[BACK](#)

Itemised list of problems we are trying to solve here.

| # | Problems |
|---|---|
| 1 | We can resolve the queries and issues, but the turnaround time is remarkably high |
| 2 | Various times the reported incidents are not related to our squad but got assigned to us |
| 3 | Not every person in our squad has adequate knowledge of every system that we support therefore we will have to rely at the mercy of subject matter expert within our team |
| 4 | Relevant squads from other business units prefer different mode of communication and it takes a while to decide the right business process to be followed on case-by-case basis |
| 5 | Strict compliance requirements in bigger organization require lots of time for due diligence |
| 6 | Sometimes in new implementations various teams operate in silo and just at the end bombarded our team with huge amount workload. |
| 7 | With little lean practices, adequate amount of waste is produced that bear no value. |

Appendix 8

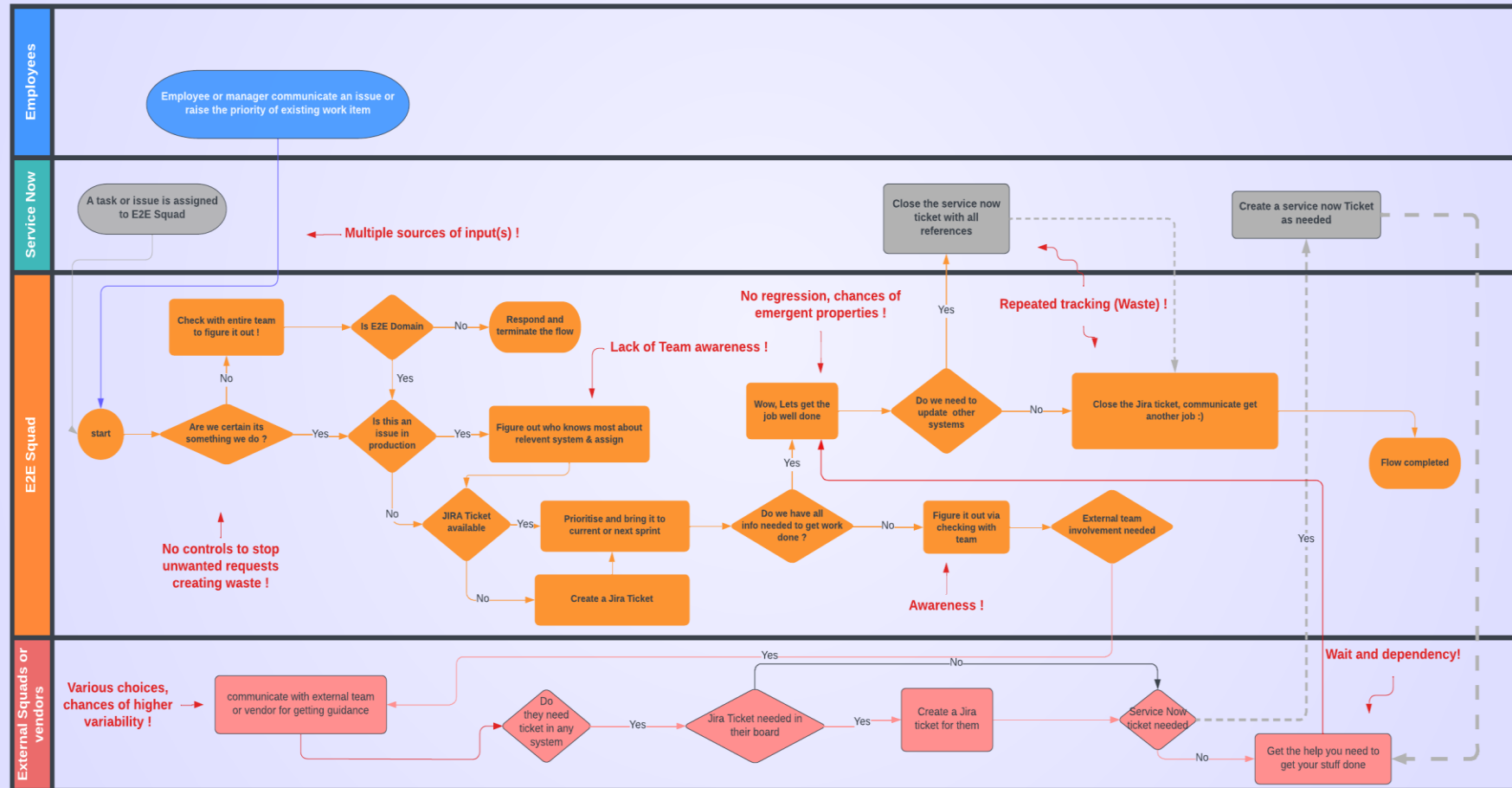
[BACK](#)

E2E EE Business Process Flow

Dawood Ali | June 3, 2023

Diagram Key

- Employees
- Service Now system
- E2E Squad
- External squads or vendors



Appendix 9

[BACK](#)

E2EEE Problem root cause analysis

E2EEE Squad

Fishbone Diagram

People

- Many people in team don't have Adequate knowledge
 - Because they aren't trained for each system
 - Because they are new and busy with high priority work!
 - Because we have less time and more work
 - Because training time was ignored in annual planning

Process

- Other people works are assigned to us
 - Because assignor thinks that it belong to us
 - Because they aren't aware of our boundaries
 - Because we haven't properly published our scope
 - Because we haven't analyzed them yet.

Environment

- Difficult to communicate with other Business units
 - Because each team prefers different communication mode
 - Because they like that way and don't bother other's
 - Because they aren't aware of the impact on others
 - Because No one told them (Perhaps)

Change

- In new initiatives, Teams work in Silo
 - Because of security compliance and unawareness of impact
 - Because there are stringint rules and ambiguities
 - Because during policy design communication was ignored
 - Because didn't realized or perhaps people trust missing

High turnaround time with less quality and variability

Appendix 10

BACK

Why Abilene



THE BENEFITS



Courtesy Syndicate D MBA Cohort 20

Appendix 11

BACK

Lean 5s

<https://www.leanproduction.com/5s/>

Appendix 12

BACK

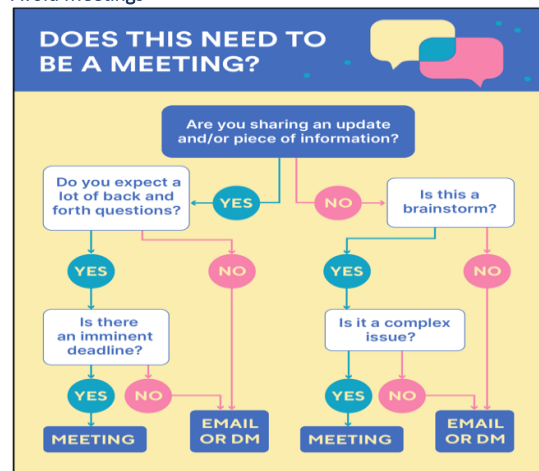
Waste



Appendix 13

BACK

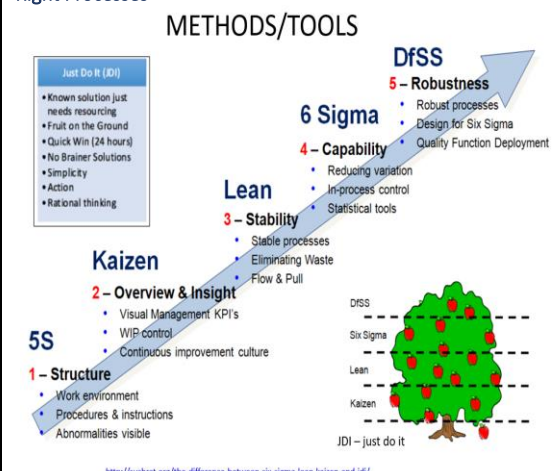
Avoid Meetings



Appendix 14

BACK

Right Processes



Appendix 15

[BACK](#)

Insightful process comparison

| | "JUST DO IT" (JDI) | KAIZEN | LEAN | SIX SIGMA (DMAIC) | DESIGN for SIX SIGMA (DfSS) |
|-------------------|---|--|---|---|---|
| Complexity | Simple | Moderately simple (may be urgent) | Moderate | Complex and / or chronic | Complex |
| Nature of Problem | Known problem; well understood; quick win; low-hanging fruits | Mainly process-related New pattern of complaints Competitive inroads Problem is known | Existing process is inefficient Easily identifiable waste Many non-value-added activities Long cycle times | Existing process is ineffective Not keeping process up to date: complacency or sudden change in competitor performance Too many defects, excess variation | Ad hoc process (different every day) Fix a process that is too broken to be improved without radical change. Create new process, product or service |
| Data | None | Little/limited | Limited | Extensive: input / process / output | Moderate to extensive: Mainly customer and competitor focused |
| Root Cause | Causes are known or suspected | Root causes unknown (there may be insights) | Root causes unknown | Root causes unknown; requires data to validate based on $y=f(x)$ | N/A: "clean sheet" approach is appropriate |
| Solutions | Solutions are known and/or intuitive: fast/easy/cheap | Solutions unknown (but there may be SME insights) | Solutions unknown | Solutions unknown: need to determine with higher probability of success | Customer and competitor data available & relatively easy to gather. Solutions pursued through market research, VOC and several alternative concept designs. |
| Time Involved | Quick: less than a few weeks | 1 week for Kaizen Event. 1-2 weeks for implementation. | Varies according to complexity of the value stream considered (1-2 months typically) | Usually 3-6 months to complete (based on complexity, scope and ability to gather data) | Variable based on complexity. For new processes typically 6-18 months to complete |
| Benefits | Typically low | Moderate | Moderate to high Includes \$\$ benefits | Moderate to high Includes \$\$ benefits | High Includes significant \$\$ benefits |

Jonas Aust MEM 2017 CHCEC

Appendix 16

[BACK](#)

Numerical Evaluation Framework

Numerical Evaluation: Holiday Destination

| | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | | |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| A | A3 | A3 | A3 | E2 | F3 | | | | | | | | | | | | | 9 | 23% |
| B | | B1 | E3 | F3 | | | | | | | | | | | | | | 2 | 6% |
| C | | | C1 | E3 | F3 | | | | | | | | | | | | | 1 | 3% |
| D | | | | D3 | F3 | | | | | | | | | | | | | 0 | 0% |
| E | | | | | E3 | | | | | | | | | | | | | 11 | 29% |
| F | | | | | | F3 | | | | | | | | | | | | 15 | 39% |
| G | | | | | | | G3 | | | | | | | | | | | 38 | |
| H | | | | | | | | H3 | | | | | | | | | | | |
| I | | | | | | | | | I3 | | | | | | | | | | |
| J | | | | | | | | | | J3 | | | | | | | | | |
| K | | | | | | | | | | | K3 | | | | | | | | |
| L | | | | | | | | | | | | L3 | | | | | | | |
| M | | | | | | | | | | | | | M3 | | | | | | |
| N | | | | | | | | | | | | | | N3 | | | | | |
| O | | | | | | | | | | | | | | | O3 | | | | |
| P | | | | | | | | | | | | | | | | P3 | | | |
| Q | | | | | | | | | | | | | | | | | Q3 | | |

Evaluation Weight Factors

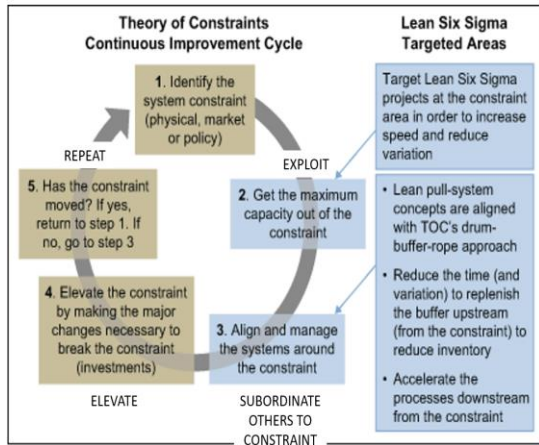
- 1 = Minor difference in importance
- 2 = Medium difference in importance
- 3 = Major difference in importance

Courtesy Piet Beukman

Appendix 17

BACK

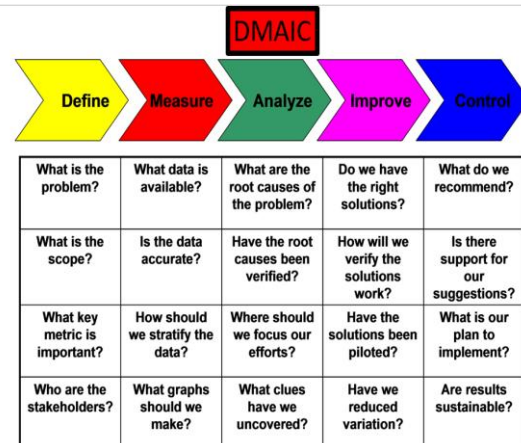
Five steps to eliminate constraints.


<https://www.leanproduction.com/theory-of-constraints>

Appendix 18

BACK

DMAIC


<https://blog.ill.com/dmaic-process-six-sigma/>

Appendix 19

BACK

Dunbar's Number theory



Dunbar's Number

the max number of relationships a person can maintain

<https://www.funkionevents.co.uk/team-building/blog/dunbar-number-theory>

Appendix 20

BACK

Four essentials for failure prevention

Failure Prevention

The Four Essentials for Failure Prevention

E1 – Keep it Simple System Structures (KiSSS)

Systems may be complex but their structures must be simple to be easily understood by everyone. This ties in with Systems Thinking and the Learning Organisation

PRIORITISE
Fail Impacts

E2 – Classification of Systems and Components (Risk Allocation)

Importance levels are assigned to product and service systems and components for closer monitoring, better resource allocation and effective risk management.

E3 – Special Process Qualifications (4M Process Variables)

The 4Ms (Manpower, Method, Material and Machines) resources are approved prior to regular use to ensure these processes are kept in control.

EXCEPTIONS/ VERIFY

E4 – Competent and Happy People (Human Factors)

These are crucial for achieving your goals and guarding your company's quality reputation. Human factors are often overlooked in today's competitive world.

Kiss a Class of Special People

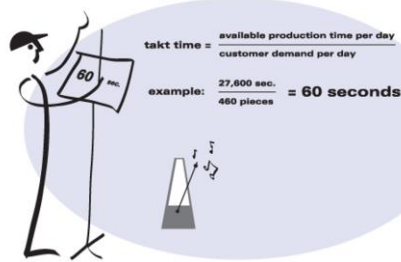
Geoff Cardwell

Appendix 21

[BACK](#)

What is Takt time

Takt Time – Rate of customer demand
German: Takt = "pulse"

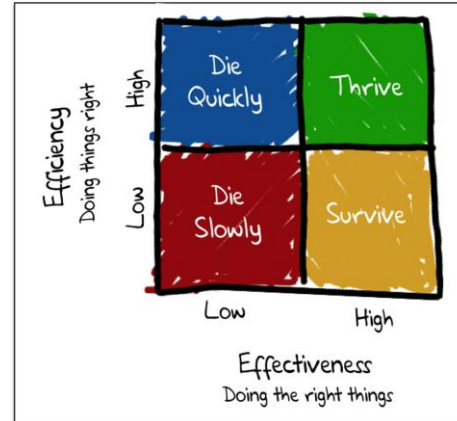


An example of calculating takt time.

Appendix 22

[BACK](#)

Die, Survive or Thrive?



Appendix 23

[BACK](#)

OE Structural elements

Operational excellence

- The operations Management System (MS) is used to define what the Process will achieve and how it should be controlled and when by Management
- Correct Behaviours ensure that the MS is functioning as needed and is used to control the process according to the criteria set in the MS
- The Process is where the work is done, its capability is used to define the targets set by the MS



EXCELR8
MANAGEMENT CONSULTING

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Acknowledgement

Briefing session with Westpac Ways of working team including, Vanessa Bodo {Product design lead} & Alex Albert {Ways of working coach}

Reviewed and discussed confidential Westpac BCMR & PCRM models.

- BCMR "Business Capability Reference Model"
 - a. <https://wiki.cac.washington.edu/display/EA/Business+Capability+Reference>
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