Parcus Group

PRODUCT MANAGEMENT FRAMEWORK, METHODOLOGY AND TOOLKIT

Created by Parcus Group Pty Ltd. This product development framework and guide contains copyrighted materials which remain property of their respective owners. As a holistic service creation guide this material remains the copyright property of Parcus Group.

All trademarks are trademarks of their respective owners. Rather than put a trademark symbol after every occurrence of a trademarked name, we use names in an editorial fashion only, and to the benefit of the trademark owner, with no intention of infringement of the trademarks.

This publication is designed to provide accurate and authoritative information of primarily educational nature in regard to the subject matter covered. It is delivered with the understanding that the author is not engaged in rendering legal, accounting, business or other similar advisory service. If legal advice or other expert assistance is required, the services of a competent professional person should be sought.

Parcus Group does not warrant or guarantee that the functions contained in the work will meet your requirements or that its operation will be uninterrupted or error free. Parcus Group shall not be liable to you or anyone else for any inaccuracy, error or omission, regardless of cause, in the work or for any damages resulting there from. Parcus Group has no responsibility for the content of any information accessed through the work. Under no circumstances shall Parcus Group be liable for any indirect, incidental, special, punitive, consequential or similar damages that result from the use of or inability to use the work, even if any of them has been advised of the possibility of such damages. This limitation of liability shall apply to any claim or cause whatsoever whether such claim or cause arises in contract, tort or otherwise.

About the Authors

Parcus Group provides consulting to carriers, telecommunications service providers, systems integrators and ICT firms and equipment vendors on methodologies & strategies for building successful products, services and businesses.

Parcus Group collaborates with clients to help them become high-performance services providers and suppliers. Our value to clients comes from our niche & specialised focus, the expertise of our people and our ability to provide holistic service creation & improvement programs including marketing, business financial analysis, process developments and effective stakeholder engagement across all phases of service creation journey.

For more information see: <u>http://www.parcusgroup.com/</u>

Igor Glavanic

Igor is one of the founding members of Parcus Group and is a Director of Parcus Group's Consulting Services business.

Igor's 20 years of industry career includes extensive experiences in establishment & running of IT businesses in Europe in the pre dot-com years, consultancy work with the US clients such as Juniper Networks, NCR, Halliburton & US Department of Defence as well as a wide range of technical, marketing & leadership roles in finance & ITC businesses in APAC including Australia's largest service provider Telstra.

Igor holds a Bachelor of Science degree in Computer & Mathematical Sciences.

Chris Spence

Chris has proven IT, networking and communications skills honed over 20 years in the industry with some of Australia's largest companies and telecommunications providers including roles in architecting and designing IP and multi-protocol networks for Australian and international companies and governmental agencies.

Over the last 5 years, Chris has focused on technology consulting and ICT training.

Adrian Tosone

Adrian has over 16 years sales and marketing experience in the business and consumer space. This experience spans across the industries of telecommunications, industrial software, information technology, consumer retail and field sales, real estate, gaming, and sports coaching.

During his career, Adrian has successfully trained, managed and coached sales and marketing professionals, and received awards for doing so.

Adrian holds a master of business, a bachelor of applied science, a post graduate diploma in finance and a certificate IV in training and assessment.

Shannon Wells

Shannon offers a wide range of business strategy and skills. His services are tailored to the needs of individual firms and include capability such as strategic and marketing consulting, business development, supply chain design and facilitation and anchor customer acquisition.

Shannon has been offering his consulting services since 1996 and has intimate knowledge international business market and each corresponding culture. He has aided an Australian company into Vietnam, Chinese government and non-government manufacturers into Australia, and identified and negotiated anchor clients for a Taiwanese CPE device manufacturer in Australia.

Table of Contents

Contents

Table of	Contents	4
Introduc	ction1	10
Article I.	Market Analysis and Concept Development 1	13
Section	1.01 Objectives	13
Section	1.02 Business Strategy and Service Creation Planning	13
Section	1.03 Approach to Market Analysis	17
Section	1.04 Market Size, Market Demand and Market Share	17
1.	Define Market	17
2.	Market Demand	22
3.	Market Share	24
4.	Strategic Market Assessment	25
Section	1.05 Customer Needs Analysis	30
5.	Create or Outsource Options	30
6.	Value Creation	34
7.	Other Analysis Tools	39
Section	1.06 Market Segmentation	40
8.	Needs-Based Market Segmentation	41
9.	Segmentation Strategies	45
Section	1.07 Competitor Analysis	47
10.	Industry Forces Analysis	18
11.	Competitor Analysis	19
12.	Competitive Advantage	52
13.	Competitive Matrix	53
Section	1.08 Concept Development, Screening and Feasibility	54
14.	Idea and Concept Development	54
15.	Project Screening and Prioritization Matrix	57
16.	Feasibility Study	59
Section	1.09 High Level Project Planning	56
17.	High Level Requirements – Input to Business Case	57

18.	Project	Resources 6	57
19.	Project	Planning7	1
Section	1.10	Market Analysis Tips & Tools	12
20.	Market	Analysis Check-List	/2

Article II	Business Case
Section	
Section	•
21.	Summary and Project Description
22.	Strategic Reasons for Project
23.	Purpose
24.	Background and Positioning
25.	Proposal and Solution Description
26.	Prices
27.	Market Strategy
28.	Customer Impact
29.	Staff Impact
30.	Competitive Information
31.	Regulatory and Legal
32.	Impact on Other Business Units
33.	Impact on Systems and Operations
34.	Financial Details
35.	Key Assumptions
36.	Funding and Options
37.	Project Risk Analysis
38.	Monitoring and Reporting
Section	
Section	•
39.	Cost Factors
40.	Revenue Factors including Product Pricing
Section	
41.	Forecast Modelling
42.	Other Tips and Tools
	• • • • • • • • • • • • • • • • • • • •

Article II	I. Product Requirements and Project Management	105
Section	3.01 Objectives	
Section	3.02 Product Requirement Documents (PRD)	
43.	Initiative Description	
44.	Stakeholders, Roles and Responsibilities	
45.	Business Drivers	
46.	Business Requirements Priority	
47.	Sales Channel	
48.	Customer Eligibility	

49.	Ordering, Fulfilment and Installation	.110
50.	CPE (Customer Premises Equipment)	.111
51.	Customer Adds, Moves and Changes	.111
52.	Customer Experience	.112
53.	Customer Portal (On-Line Environment)	.112
54.	Authentication	.112
55.	Product/Solution Features	.113
56.	Infrastructure Requirements	.113
57.	Pricing Capability	.114
58.	Billing and Payment	.114
59.	Credit Management	.114
60.	Complaints	115
61.	Security and Quality	.115
62.	Assurance and Support	.115
63.	Legal and Regulatory	.116
64.	Reporting and Analysis	.117
65.	Deployment and Training	.117
66.	External Data Inputs and Outputs	.118
67.	Service Level Management	.118
68.	Operations	.118
69.	Documentation	119
70.	Business Process Requirements	120
71.	Other Business Requirements	.120
72.	Future Business Requirements	120
73.	Business Requirements Assumptions	121
74.	Issues, Risks, Constraints	121
Section	3.03 Example Product Requirement Documents (PRD)	121
75.	Sample PRD	.121
Section	3.04 Project Management	134
76.	Project Integration Management	135
77.	Project Scope Management	136
78.	Project Time Management	138
79.	Project Cost Management	.140
80.	Communications, Risk and Procurement Management	142
81.	Quality Management	.142
82.	Sample Project Management Plan	.144
Section	3.05 PRD & Project Planning Tips & Tools	149
83.	Service Creation Documentation Check-List	.149

53
54
54
63

86.	Sales Quoting and Ordering Processes	.165
87.	Implementation Processes	.171
88.	Support Processes	.177
89.	Billing Processes	.179
90.	Service Changes and Cancellation Processes	179
Section	4.03 Technical and Operational Considerations	.180
91.	Solution Architecture	.180
92.	Solution Detailed Design	.199
93.	OSS and BSS	.199
94.	Proof of Concept (POC)	.211
95.	Portfolio Solutions	212
96.	Sample Configuration Templates	218
97.	Value Adds	218
Section	4.04 Design Phase Tips & Tools	218
98.	ITIL Alignment	.219
99.	Solution Architecture: Sample Structure	.221
100.	Technical Design: Sample Structure	227

Article V.	Solution Build and Operational Readiness	235
Section 5	.01 Objectives	235
Section 5	.02 Product Management and Marketing	235
101.	Finalise Product	236
102.	Product Sales Guide (Benefits, Pitch, Competitive Position)	236
103.	Product Price Sheet (Including Discount Arrangements)	253
104.	Product Collateral, Data Sheets, Brochures	257
105.	Product Sales Proposals	262
106.	FAQ	267
107.	Other Documents and Tools	269
108.	New Service Application Forms	271
109.	Existing Service Modification Forms	271
110.	Customer Legal Contracts	274
Section 5	.03 Technical and Operational	276
111.	Technical Solution Build	276
112.	Final Business Process Documentation	277
113.	Product Technical Guide and Training	279
114.	Solution Testing	287
115.	OSS and BSS Implementation	288
Section 5	.04 Operational Readiness Test (ORT)	292
116.	Technical Readiness	294
117.	Commercial Readiness	295
118.	Operations Readiness	296
119.	ORT Template	297
Section 5	.05 Build Phase Tips & Tools	301

Article VI.	Product Launch & Lifecycle Management	
Section 6.0	L Objectives	
Section 6.02	2 Effective Product Launch	
120. P	roduct Launch Activities	
121. P	ost Launch Monitoring and Reporting	
Section 6.03	3 Launch Tips & Tools	
122. C	ustomer Case Studies	
123. P	roduct Presentation and Launch Invitations	312
Section 6.04	Product Lifecycle	314
124. P	roduct Performance Management and Reporting	315

Article VII.	. Other Service Creation Tools	320
125.	Leading the Service Creation	.320
126.	Product and Portfolio Planing	.322
127.	Marketing Plan	.327
128.	Communications Strategy and Plan	.330

Glossary and Abbreviations Used in this Guide	335
---	-----

SERVICE CREATION GUIDE, METHODOLOGY AND TOOLKIT

Introduction

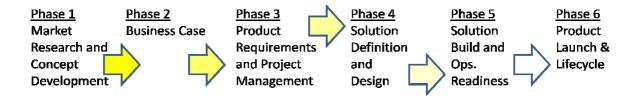
When approaching the subject of service creation it has to be stated at the outset that we are dealing with a topic of high complexity and that many diverging views are likely to come out on the subject. While the purpose of this document is to provide education and guidance to a product manager with the development of new product it can not be viewed as an all-encompassing, step-by-step instruction manual that will work in all circumstances but rather as a point of reference manual to follow and use to improve your current service development methodology.

Due to varying experiences of individuals, different countries and markets and diverging views on the right approach, primary purpose of this guide is to:

- set out a broad methodology that can be followed
- deliver individual chapters which can be used as required rather then having to serially follow the flow and do every task
- provide real-life examples, templates and interactive tools of use to product manager to assist with service creation and increase his speed to market
- share best industry practices and tips on all service creation steps and how to make your new product succeed
- explain how to leverage business partnerships for market success with your new product

Based upon all above it's the ultimate goal of this guide to enable the service provide who uses it increase the speed to market of his new products and ensure the best possible success of the product both financially and in terms of customer satisfaction.

Our approach and this guide is based on widely adapted service provider product development methodology and is structured around six development phases, summarised in the below diagram.



The primary audience for this material are likely to be second tier service providers where bedded-down service creation business processes may not exist or where product management teams need some assistance to deliver new products to market quicker.

In the same time while tier one service providers may have more resources and skills this guide can still be used to supplement their own methodology and improve their approach where appropriate.

This document is intended for experienced and sophisticated marketing and business professionals. Business terms and complex methodologies are used throughout this text, with an expectation of a high degree of commercial acumen incumbent on the reader. Additionally, many terms and concepts pertaining to the ICT industry are regularly made in this document.

Specifically:

- Product managers
- Marketing managers
- Sales professionals
- Project managers
- Financial and modelling experts
- Engineering, technical and operational professionals

In terms of sections and individual components of work covered in this guide following matrix is a high level summary of key business groups which will benefit from the content.

Phase	Document Sections	Business Group
Phase 1	Section 1.01 to 1.08 and	Product Management
(Market Research	1.10	Marketing
and Concept	Section 1.09	Project Management
Development)		
Phase 2	Section 2.01 to 2.05	Product Management
(Business Case)		Finance
Phase 3 (PRD and Project	Section 3.01 to 3.03 and 3.05	Product Management
Management)	Section 3.04	Project Management
Phase 4	Section 4.01 to 4.02	Product Management
(Solution		Business Analysis (process development)
Definition and Design)	Section 4.03	Engineering, IT (incl. Operations involvement)
	Section 4.04	Product Management, Engineering
Phase 5	Section 5.01 and 5.02	Product Management
(Solution Build and ORT)	Section 5.03	Engineering, IT and Operations
	Section 5.04 and 5.05	Product Management, Engineering, IT and Operations
Phase 6 (Product Launch)	Sections 6.01 to 6.04	Product Management, Marketing

Many organizations may not have the available resources to undertake the activities outlined in this document. If that's the case it is highly recommended that at the very beginning of the Service Creation process you engage Parcus Group to assist you in the identification of key stakeholders for each of the necessary task areas. This will enable you to identify the areas of weakness within the team before starting.

Parcus Group offers support and consulting services across each of the stages of the Service Creation process. Our dedicated team of specialists can provide the critical support your organization needs to motivate, facilitate or undertake tasks in the process of new Service Creation. Parcus Group knows that the key to successful deployment of new services comes down to a few key things:

- Human and capital resource availability
- Willingness and motivation
- Understanding of the key concepts
- Completion of critical components of this Services Creation Guide.

Parcus Group's team, based in Australia, are well versed in the difficulties encountered in the Service Creation process and offer a full suite of integrated support. No matter what communications tools you utilise, our team can be a part of your team; supporting your team and facilitating successful Service Creation.

Throughout the document phrases such as Service Creation and Product Development will be used interchangeably. For the purposes of creation of new Services and Products those terms can be viewed as identical in this guide.

General Information Sourcing Note:

Throughout this guide we will present a large number tools you can use for various purposes during the service creation process or elsewhere in your business.

Unless we specifically instruct you in regards to the sourcing of information, data, scores, prices and other inputs for any of the tools, you are to use your own best judgement in generating estimates as inputs to such tools. To supplement your estimates where external and more reliable data is not available typically you can speak with your colleagues and get their opinions also. In addition to this section 3.01 has some addition tips on information gathering.