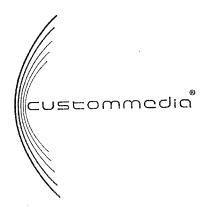
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Buyer and Seller Matching Engine (BSME) SOFTWARE REQUIREMENT SPECIFICATION

MY058/SRS/00001

Version 2.0.0 24 January 2017

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Revision 2, 2017

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DOCUMENT AUTHORISATION

This Software Requirement Specification (SRS) document has been reviewed and accepted by the following parties with the following understanding and agreement:

- 3. Both Custommedia (as Vendor) and Customer of the Buyer and Seller Matching Engine (BSME) project ('the Project'), agree that this is the Software Requirement Specification for this Project.

 2. Any changes to this Software Requirement Specification document shall be duly approved by Any changes to this Software Requirement Specification document shall be duly approved by
- Custommedia and Customer before it is accepted as the latest version.

 The Customer personnel who signs and approves this document is the appropriate personnel to sign on behalf of the Customer. The personnel must be authorised by Customer to sign the sign on behalf of the Customer and professible and professible and professions.
- Software Requirement Specification, and preferably an employee of Cuatomer.

 1^{st} Party (Vendor) : Custommedia Sdn Bhd ("Custommedia")

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Approved By	<person d=""></person>		7102/10/42
Quality Assurance Reviewer	<person c=""></person>		Z10Z/10/7Z
Technical Reviewer	<person b=""></person>		7102/10/42
Prepared By	<a nosi99="">		24/04/2012
	Name	Signature	Date

Տ^{ոզ} Բarty (Customer): -

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Approved by Project Manager	<person g=""></person>		24/01/2017
			2106/10/10
	<person f=""></person>		7102/10/42
Кеујемег	<person e=""></person>		7 102/10/72
	9msN	Signature	Date

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Creation of document	IIA	04/01/2016	0.0.1
 Update BSME Roles – Page 2-3 	IΙΑ	71/02/10/42	0.1.1
 Update roles in each Roles part to align with the roles in 			
Functional Requirement part – all sections			
 Correct ambiguous statement on Purpose and 			
Prerequisite part Page 3-3			
£1-£ agsq – aworns noision bla•			
 Remove specific numbers of Featured companies in BPM 			
diagram – Page 3-13			
 Addition of new section (Section L: Mobile Web Version) - 			
Page 3-53			

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A GUIDE TO READING THIS DOCUMENT

This document was produced using the Information Mapping@ methodology, a research based, tested and proven approach for developing documentation.

Document methodology

The page numbers located at the bottom of the page have the $\operatorname{arrangement}$ as shown below.

Page numbering convention

Nomenclature

X -X -X

Chapter Page Number Section Page Alphabet Topic Page Number

Table below describes the definitions, acronyms and abbreviations used in this

Seller
Buyer
RFQ
RFI
BSWE
Тһе Users
The Stakeholders,
Project
Project, The BSME
This Project, The
Customer
CWSB
Term

Business Modelling and Requirement

Continued on next page

BMR

BSME Roles, Continued

Organization of This document contains the following chapters.

this document

stage.	
It describes in detail the non-functionalities based on additional information gathered and refinement on the preliminary requirements during the BMR	Chapter 4: Non-Functional Requirements
It describes in detail the features and functionalities based on additional information gathered and refinement of the preliminary requirements during the BMR stage.	Chapter 3: Functional Requirements
It defines BSME roles and the features that can be performed using BSME.	Chapter 2: User Interaction Requirements
It describes the purpose of this document and solution scope for The BSME Project.	Chapter 1: Introduction
Describţion	Сћарtег

CHAPTER 1 INTRODUCTION

Weiview

This chapter summarizes the activities that were conducted during the Business Modelling and Requirement (BMR) stage of The BSME Project. The purpose of the BMR stage was to define the user's information requirements for the solution, namely, Buyer and Seller Matching Engine (BSME) that The Project is to deliver.

About this chapter

Impositions were made when defining the requirements. These impositions determine the scope of the solution, which is also discussed in this chapter.

This chapter contains the following topics.

In this chapter

Z-1	BSME Solution Scope
See page	Topic

Stakeholders

Section A BSME Solution Scope

the scope as outlined in this SRS document. BSME shall be developed to address and fulfill Customer's requirements in line with Solution scope

The major stakeholders identified for BSME are as follows:

- Public User
- Customer
- Seller

Online Member Application BSME shall comprise of the following features: Solution scope

- Member Profile Maintenance
- Company Profile Maintenance
- Products / Services Registration & Benchmarking
- Vendor Directory
- Partnership Matching
- Products / Services Matching
- Tender Matching
- Event Calendar Bulletin

technical requirements identified for BSME. BSWE will be developed within the scope of the above features by leveraging the

The table below lists and defines the impositions that BSME Solution is to comply

enoitieoqmi Solution -ing

BSME Online Help is limited to English language only.	.4
BSME web intertace is limited to English language only.	3.
768 for optimal use.	
pixels. As such, the screen resolution for BSME must be set to 1024 X	
BSME web interface is designed based on the resolution of 1024 * 768	.2
1.0.18 BilizoM •	
Google Chrome 55	
 Internet Explorer 11 	
suq enbboue mep promeers:	
BSME is developed as a web based application and mobile web version	٦.
Description of Imposition	məti

CHAPTER 2 USER INTERACTION REQUIREMENT

Weiview

This chapter describes how the refinements of the roles (i.e. BSME Roles) were derived

About this chapter

The BSME Roles describes the groupings of stakeholders which will be involved in the implementation of BSME. The groupings are based on the characteristics of "what the stakeholders do" that BSME can facilitate, i.e. the functions the stakeholders can perform using BSME.

BSME users can basically be grouped in four (4) key stakeholders, which are:

- Public,
- Seller,
- Buyer, and
- Customer

This chapter contains the following topics.

Each of the above roles has its own interest to use BSME. BSME provides functions for them to look for the required buyer and seller information.

Features define a set of functionalities that the roles execute within BSME.

Details of each feature are elaborated in Chapter 3 Functional Requirements.

In this chapter

	B2WE Boles
еве раде	Topic

Introduction

Section A BSME Roles

The stakeholders that will be involved in the implementation of BSME were identified and grouped into roles which are:

- Mon-Member (Public)
- Member (Seller and Buyer)
- (TamotsuO) nimbA

Each of the above roles shall be able to use certain features in BSME.

The table below summarized the stakeholders and the roles:

Role Description	Role	Stakeholder	.oN
This role can be any company or individual (i.e. public user) wishing to seek information regarding product or services	Non-Member	Public User	٦.
This role can be any of the stakeholders listed in the left), which are registered BSME users. As 'BSME Member', they can perform various functionalities such as seeking for partnership and tender's opportunities and updating their company and products/ services information.	Ме пърег	4 roupanies A A seinagmood Oromood Oro	5.
This Admin role is responsible to manage day-to-day operations of BSME such as: Member registration, maintaining user, role and access rights	пітbА	Customer (Managerl Executive/Data Centre Operators/ Helpdesk Officials	3.

The main objective of BSME is to provide a platform that can open up and encourage more business opportunities and partnership among Group Companies A. As such, only companies within the Group Companies A buyer and seller domain can register and showcase their products in BSME.

Classification of 'BSME Members'

Four (4) types of BSME Members classification were identified, which are as follows:

suppliers and buyers available in BSME.		
information on products, services,		
For Customer staff to access BSME features and enable them to seek	Platinum User	٠.
HM29 speece of #cfp remoterio red	200[] @difo[G	
 Can only post tenders. 		
BSWE'		
For Group Companies C; Cannot register products/ services on	Notmal Member	3.
Ear Group Companies C.	Joquoyi jeuzoji	
on new tenders		
Can post tenders and receive alerts		
delete the documents (i.e. the "Green lane" approach).		
Customer will be able to remove/		
Verification is done periodically and		
on BSME once uploaded,		
related documents Products/ Services will be published		
services and upload product/ service		
Can register maximum 3 products and		
For Group Companies B;	Silver Member	7.
on new tenders		
Can post tenders and receive alerts		
lane" approach).	:	
Customer will be able to remove/ delete the documents (i.e. the "Green	. :	
Verification is done periodically and	i i	
on BSME once uploaded.		
Products/ Services will be published	·	
upload producty service related documents	·	
Can register products/ services and		
For Group Companies A;	Gold Member	٦.
uonduona	Member	2011
Description	Classification of BSME	.oN

From additional information gathered and rationalizing the requirements during the BMR stage, the Non-Member, Member and Admin roles were further refined to new roles that better reflect their interactions with BSME.

Refinement of the stakeholders and roles

The new roles, namely BSME Roles, are based on:

the features the stakeholders can perform

• the stakeholders' task responsibilities

The following diagram shows the mapping of BSME Roles against its corresponding initial identified roles.

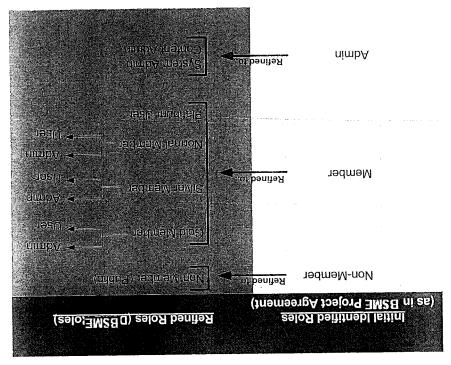


Figure 2.1: Roles Mapping

The following table lists the new groupings of stakeholders into the corresponding BSME Roles, resulted from the refinement of requirements.

BSME Roles & descriptions

This Public User role can be any	Non-Member	Stakeholder Public User	.oM .r
company or individual (i.e. public user) wishing to seek information regarding products or services availability			

BSME Roles & descriptions (continued)

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Overview, Continued

contact person, who will be responsible to ensure its company profile and other information are upto-date. • To update its company's profile, or To update its company's profile, or To update its company's profile, or Calendar) is always event calendar) is always event calendar) is always updated, and event calendar) is always updated, and or To maintain the list of its or its updated, and or To maintain the list of its or its or company will only be given tole. Note: Gold Member Admin role user account. Gold Member Company will also be given two (2) tole, the Group Companies A company will also be given two (2) tole, the Group Companies A company will also be given two (2) tole.	The company can allocate these two (2) accounts to its marketing, procurement or business development personnel. The user having this Gold Member User role can use BSME: To seek information on products and services for its products and services for its products and services for its opportunities, and opportunities, and potential pattnership opportunities, and tenders for bidding opportunities.			
responsible to ensure its company profile and other information are upto-date. The tasks include: The tasks include: To update its company's profile, products/ services information, event calender, bulletin and event calender, bulletin and updated, and To maintain the list of its event company's personnel that are given BSME user accounts toole. Note: Note: Note: Note: One (1) Gold Member Admin role	role, the Group Companies A company will also be given two (2) 'Gold Member User' role user			
responsible to ensure its company profile and other information are upto-date. The tasks include: The tasks include: To update its company's profile, products/ services information, cauch as tender, bulletin and event calendar) is always updated, and To maintain the list of its company's personnel that are given BSME user accounts that are	Each company will only be given one (1) Gold Member Admin role			
responsible to ensure its company profile and other information are up-	To update its company's profile, products/ services information. To ensure other information (such as tender, bulletin and event calendar) is always updated, and To maintain the list of its company's personnel that are given BSME user accounts having Gold Member User			
No. Stakeholder BSME Role This Gold Member Admin role is Companies A Admin Admin role is for the Group Companies A main	This Gold Member Ad min role is for the Group Companies A main contact person, who will be responsible to ensure its company profile and other information are up-	Gold Member	Group	

harmanadda dugaganind	I .
procurement or business development personnel. The user having this Silver Member User role can use BSME: To seek information on products and services for its company's procurement needs, and To seek information on potential partnership opportunities.	
Silver Member Admin role, Group Companies B will also be given two (2) 'Silver Member User' role user accounts. The company can allocate these two (2) accounts to its marketing,	
Mote: Each company will only be given one (1) Silver Member Admin role user account.	
updated, and To maintain the list of its company's personnel that are given BSME user accounts having Silver Member User role.	
The tasks include: The tasks include: To update its company's profile, products/ services information, To ensure other information (such as tender, bulletin and event calendar) is always	
3. Group Silver Member This Silver Member Admin role is Companies B's main contact person, who is responsible to manage its company profile and other information.	escriptions (beuntinoo)
No. Stakeholder BSME Role Role Description	BSME Roles &

(confinued) descriptions BSME Roles &

	The user having this Normal Member User role can use BSME: • To seek information on products and services for its company's procurement needs, and • To seek information on potential partnership opportunities.			
	The company can allocate these two procurement or business development personnel.			
	Besides the Normal Member Admin role, a registered member will also be given two (2) 'Normal Member User' role user accounts.	Normal Member User		
	Note: Each company will only be given one (1) Normal Member Admin role			
	The tasks include: To update its company's profile, To ensure other information (such as tender, bulletin and event calendar) is always updated, and To maintain the list of its company's personnel that are given BSME user accounts tole.			
-	That company's sole representative its responsible to manage its company profile and other information.			
	company's behalf.	nimbA	Group Companies C	*4-
	Role Description This Normal Member Admin role is	RSWE Kole Normal Member	Stakeholder	oN .

BSME Roles & descriptions (continued)

		T	
bages			
Maintain static content on BSME		ĺ	
BSME.			
and event calendar data into			-
information, Customer CRM data			
external systems (i.e. tenders		;	1
* Monitor data import from the			
profile.			
* Update Customer's company			
their access rights			
the respective roles and manage			
Customer, assign the users to			
• Maintain BSME users from			ļ
application.			
approved membership			
• Register new members for			
Its tasks include:			
BSWE.			
It acts as a System Administrator for			
v=wog to euoppiedo		Operator	
operations of BSME.		Data Center	
si əlor nimbA mətey S ziri yayıldı si əlor alanındı si əldisnoqsər	System Admin	Customer	-9
si əlor nimbA mətsy2 sidT	-,		
conuferpart.			
their marketing activities or their			
foreign companies, receive from			
Post new tenders issued by			
participated			
• Seek information on companies			
and services availability			
Seek information on products			
BSME.			
from the users' activities via			
and trade transactions resulting			
egseu no noitemotni esylenA •		Executive	
BSME features for them to:		Customer	
Customer staff to have access to		Manager,	
This Platinum User role enables	Platinum User	Customer	.6
Role Description	B2WE Kole	Stakeholder	.oN

Its tasks include: data being uploaded into BSME. Official responsible to manage and monitor Desk Help nimbA IneInoO Customer This Content Admin role is mainly Role Description **BSWE** Role Stakeholder ON.

(continued) descriptions **BSME Roles &**

Continued on next page

"featured

To register new tenders issued

BSME Members (the "Green To verify content posted by

by users and manages the FAQs To response to questions posted o Redemption Points Redemption items list Service categories list Industry focus list

Product categories list

pe-nblosded by each all documents that can Document size limit for

that can be saved by No. of buyer requests

companies, listing, and

maintain

company

each user

● To maintain BSME system

parameters, i.e.:

by Customer.

Lane" approach),

(Bultsil

0

The features and roles matrix table below shows the features that can be accessed

roles matrix Features and

by the roles.

System Admin	Content Admin	Platinum User	Normal Member	Normal Member Admin	Silver Member User	Silver Member Admin	Gold Member User	Gold Member Admin	Non-Member (Public)	Features	al
X	X			X		-	 		X	Online Member Application	F010
X	X			X		X		X		Member Profile Maintenance	F020
	Χ	Χ				X		X		Company Profile Maintenance Products / Services Registration &	E040
					~					Benchmarking	01.0.1
	-	X	X	X	X	X	X	X	X	Vendor Directory	F050
		X	X	X	X	X	X	X		Partnership Matching	E060
	X	X		X	\ <u>\</u>	X	- V	X	X.	Products / Services Matching	E070
Χ		X	Χ	Χ	Χ	Χ	Х	Χ	Χ	Tender Matching Event Calendar	F080
	X	X	X	Χ	Χ	Χ	Χ	Χ	Χ	Bulletin	F100
$\hat{\mathbf{x}}$	$\stackrel{\wedge}{-}$	X	X	X	X	X	Χ	X		həlA	F110
X	Х	Х	X	Х	Х	Х	Χ	X		Mobile Web Version	F120

Table 2.1: Features and Roles Matrix

The table below lists the access rules that control/ limit what the roles can perform on the corresponding BSME features, as determined by Customer.

Access rules for the roles

As for the other remaining features not described below that the Gold Member, Silver Member and Normal Member roles can access, the access rules are the same among them.

Normal Member	Silver Member	Gold Member	Features	ID.
A\t	Wen bbA ●	wen bbA •	Products/ Services	F040
	product/service	product/service	Registration &	
	 Edit product/service 	 Edit product/service Delete 	Benchmarking	
	Delete product/service	product/service		
	oou loozanno id	Receive invitation		
	*Note:			
	This feature is for	*Note:		
	Silver Member	* This feature is for		1.
	Admin role and can only register up to a	Gold Member Admin role,		
	total of three (3)	fo notification of *		
	products and	content posted is the		
	services for its	"Green Lane"		
	company.	арргоасћ, мћеге		
	The verification of	verification is		
	content posted is the "Green Lane"	performed later by		
	арргоасћ, мћеге	Content Admin role periodically.		
	verification is	1 function of 2		
	performed later by			
	Content Admin role			
	periodically.			
евіср	Search S	Search	Vendor Directory	F050
			_	
Search,	• Search,	• Search,	Partnership	E060
Save	Save Search (i.e.	Save Search (i.e.	Matching	
Search (i.e. search	search criteria) Save Favorites (i.e.	search criteria) Save Favorites (i.e.		
criteria)	 Save Favorites (i.e. selected search 	selected search		
Save	result)	result)		
Favorites		,		
(i.e. selected				
гевиср	1	1		l

		nitellud weiV •		
View bulletin	nijellud wei√	Post bulletin	nitellu8	F100
View only	View only	View only	Event Calendar	E090
Oualified tenders Search, Search (i.e. search criteria) Criteria) Save Favorites (i.e. selected search result)	 Save Search (i.e. Save Save Search criteria) Save Favorites (i.e. selected search result) 	• Save Search (i.e. search criteria) • Save Favorites (i.e. • selected search result)	-	
• Post new tenders • View	Post new tendersView Qualifiedtenders	 Post new tenders View Qualified tenders Search 	Tenders Matching	F080
• Search • Save Search (i.e. Search criteria) • Save Favorites (i.e. selected search result)	Search Save Search (i.e. search criteria) Save Favorites (i.e. selected search result)	Save Search (i.e. Save Search criteria) Save Favorites (i.e. selected search result)	Products/ Services Matching	F070
Member Member	Silver Member	Gold Member	les for the roles (co	ID I
		(bənuitu	ing) aging adt ant agi	14 33000 V

In Chapter 3, each of the features is discussed in detail. The business rules that each feature is to comply (if any), and data/ information need to be captured or produced by the feature are defined.

roles interact with BSME to perform the features. In addition, business process diagrams are used to illustrate how the corresponding

What's next?