

# Messaging Related Protocols Standards (RFCs) Major Assignment

Document #PLPC-120064  
January 26, 2017

This Document is Available on-line at:  
<http://mohsen.banan.1.byname.net/PLPC/120064>

**Mohsen BANAN**  
Email: <http://mohsen.1.banan.byname.net/contact>

## Contents

<b>I</b>	<b>Common Class Project</b>	<b>1</b>
1	Purpose And Goals Of This Major Assignment	1
2	General Instructions	1
3	Deliverable	1
4	Instructions: Structure The Email Blee Panel	2
<b>II</b>	<b>Individual Projects</b>	<b>3</b>
5	Graphical Representation Of Functional Groups	3
6	iCalendar and vCard RFCs	3
7	Public Key Infrastructure (PKI) Related RFCs List	3
8	DNS Related RFCs List	4
9	Instant Messaging And Presence RFCs	4
10	Org to HTML Export Process for RFCs Standard Blee Panel	4

## List of Figures

## Part I

# Common Class Project

## 1 Purpose And Goals Of This Major Assignment

### Purpose And Goals Of This Major Assignment

- Understand what rfc's are, How they are structured, How they relate to one another, How they become obsolete and how they are updated
- Become familiar with the RFC Editor and IETF web sites
- Understand the dis-organized nature of Email related RFCs
- Recognized the distinct functional groupings that Email RFCs belong to and how these functional groups fit together
- Understand how port numbers are associated with protocol RFCs
- Learn how Emacs org-mode can be used to organize and structure related pieces of information such as the Email RFCs

## 2 General Instructions

### General Instructions

- Applies To All Students
- Copy and Collaborate As Much As You Want
- Due By Feb 21, 2017

## 3 Deliverable

### Deliverable

- A Single .org text file that would replace  
/libre/ByStar/InitialTemplates/activeDocs/ bxLanguages/standards/rfc's/appsFuncGroup/email/fullUsagePanel-en.org

To Be Emailed by each student to the teacher by the due date.

## 4 Instructions: Structure The Email Blee Panel

### Instructions: Structure The Email Blee Panel

- Complete The Email RFCs List – As complete as possible. Sorted by RFC Numbers. Follow the TODO details.
- Complete The Functional Groups Section. Assign each of the CURRENT RFCs above to one of the categories in this section.
- Complete The TCP/UDP Ports. Cross reference assigned port numbers to Protocol RFCs.

### Main RFCs: Identify And Locate Main CURRENT Email Related RFCs

Use the following topics and keywords to locate main Email protocols and format standards

- - SMTP and SSMTP
- - IMAP and SIMAP
- - POP
- - Format Standards (RFC-822 updates and derivatives)
- - MIME
- - PGP and SMIME
- - SPF and DKIP
- - EMSD

### For Each Of The Main Email RFCs follow the obsoletes and updates chain

For each of the Main Email RFCs,

- Use the RFC Editor's page to identify all RFCs that belong to the Current RFCs obsolete chain.
- Follow the updates pointers and identify RFCs that are directly related to the current main RFCs.

### Create The Email RFCs List

- Aggregate the previous two sections to create a list for the Main Email RFCs.
- Search and look through all the RFCs list to identify other relevant email RFCs
- Create a list of the above found RFCs and add them to the "Internet Email RFCs – Primary Ref – Sorted By Number" section of the Email RFCs (Standards) Panel.

## Functional Grouping Of Internet Email RFCs and Port Numbers

- For the CURRENT RFCs, assign each of them to one of the categories in:

“Functional Grouping Of Internet Email RFCs”

- Associate each port number in:

“Port Number Assignments”

to its corresponding CURRENT protocol RFC.

## Part II

# Individual Projects

## 5 Graphical Representation Of Functional Groups

### Graphical Representation Of Functional Groups

- Assigned To: Stephanie Gilmore – Cameron Roach
- Use Open Office Draw
- Start From: Email Communications Stack Slide 21 of <http://mohsen.1.banan.byname.net/content/generated/doc.free/mohsen/Records/mobileMsg1999.pdf/Presentation/mobileMsg1999.pdf>
- Deliverable: Once Open Office Draw File Converted to pdf

## 6 iCalendar and vCard RFCs

### iCalendar and vCard RFCs

- Assigned To: Jeff Calkins
- Update /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfcs/appsFuncGroup/iCalvCard/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace iCalvCard Panel

## 7 Public Key Infrastructure (PKI) Related RFCs List

### Public Key Infrastructure (PKI) Related RFCs List

- Assigned To: Sandra Howard
- Update /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfc/appsFuncGroup/pki/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace PKI Panel

## 8 DNS Related RFCs List

### DNS Related RFCs List

- Assigned To: Sandra Vasquez
- Update /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfc/appsFuncGroup/dns/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace dns Panel

## 9 Instant Messaging And Presence RFCs

### Instant Messaging And Presence RFCs

- Assigned To: Thomas Hyldahl
- Update /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfc/appsFuncGroup/instantMsg/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace instantMsg Panel

## 10 Org to HTML Export Process for RFCs Standard Blee Panel

### Org to HTML Export Process for RFCs Standard Blee Panels

- Assigned To: Benjamin Cohen
- Deliverable 1: Document the process of Org to HTML conversion
- Deliverable 2: An HTML file that is the equivalent of Email RFCs Blee Panel

## References