

CS2910 Exercise: SMTP Email Headers

Names: _____

SMTP Protocol

Fill in the expected commands and responses needed, using SMTP, to submit an email message to a mail server (mail submission agent, or MSA), for the following message: (You can do this for plain, unauthenticated SMTP.)

From: smithz23@msoe.edu

To: jonesk73@erau.edu

Subject: SMTP assignment

Message text: This is fun.
 Network lab, that is.
 Bye

Client (C) or Server (S)	Status Code (server only)	Command (C) or important status text elements (S)

Email headers

Study the following “raw text” of an email message. Refer to RFC 5322, Internet Message Format, for a description of the message format. Then pick 2-3 parts of the message and explain their meaning and how they are defined in the RFC.

```
Received: from C02PR0801MB0759.namprd08.prod.outlook.com
(25.160.10.156) by DM2PR0801MB0763.namprd08.prod.outlook.com
(25.160.25.14) with Microsoft SMTP Server (TLS) id 15.0.1049.19 via
Mailbox Transport; Thu, 16 Oct 2014 03:08:53 +0000
Received: from msoe.edu (184.59.57.57) by
C02PR0801MB0759.namprd08.prod.outlook.com (25.160.10.156) with
Microsoft SMTP Server (TLS) id 15.0.1049.19; Thu, 16 Oct 2014
03:08:50 +0000
To: <sebern@msoe.edu>
From: <sebern@msoe.edu>
Subject: Yet another test message
Date: Wed, 15 Oct 2014 22:08:40 -0500
Content-Type: text/plain
Message-ID: <3b9de2e365d34954a19e2f37d01bda88@C02PR0801MB0759.
namprd08.prod.outlook.com>
Return-Path: sebern@msoe.edu
X-MS-Exchange-Organization-AuthSource:
C02PR0801MB0759.namprd08.prod.outlook.com
X-MS-Exchange-Organization-AuthAs: Internal
X-MS-Exchange-Organization-AuthMechanism: 06
X-Originating-IP: [184.59.57.57]
X-ClientProxiedBy: DM2PR03CA0049.namprd03.prod.outlook.com
(10.141.96.48) To C02PR0801MB0759.namprd08.prod.outlook.com
(25.160.10.156)
X-MS-Exchange-Organization-Network-Message-Id: b003a163-3806-44fea66a-
08d1b705a578
X-Microsoft-Antispam: UriScan;;
X-Microsoft-Antispam: BCL:0;PCL:0;RULEID;;SRVR:C02PR0801MB0759;
X-MS-Exchange-Organization-AVStamp-Service: 1.0
X-Exchange-Antispam-Report-Test: UriScan;;
X-Forefront-Antispam-Report: SFV:SKI;SFS;;DIR:INB;SFP;;SCL:-1;
SRVR:C02PR0801MB0759;H:msoe.edu;FPR;;LANG:en;
X-MS-Exchange-Organization-SCL: -1
X-MS-Exchange-Organization-MessageDirectionality: Originating
MIME-Version: 1.0
```

Test message_info number 6

Another line.