TECHNISCHE UNIVERSITÄT BERLIN
Fakultät IV – Elektrotechnik und Informatik
Fachgebiet Intelligente Netze
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9th Assignment: Network Protocols and Architectures, WS 12/13

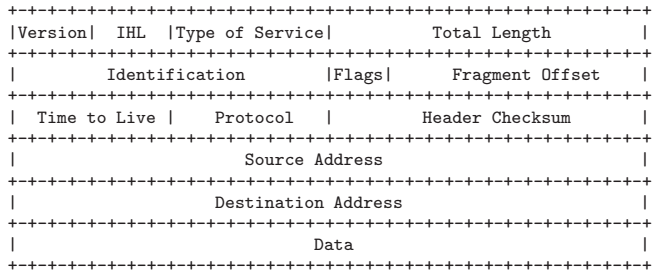
Question 1: $(15 + 15 + 0 + 0 = 30$ points) *IP over Burrito Carriers*

(a) Read the following Internet draft[1] and explain due to which characteristics of IP it would work.

(b) How would you express transmission delay, propagation delay, and packet loss in terms of Burrito creation and delivery.

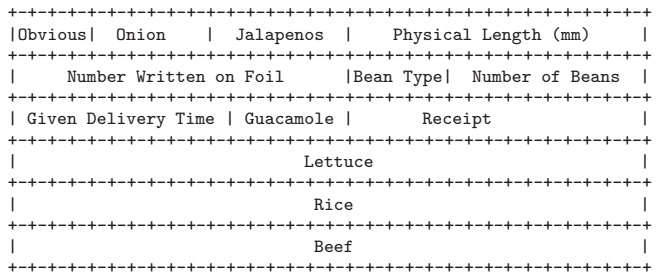
(c) As burritos is non-seasonal food, adapt the IP over Burrito Carriers protocol to traditional Christmas dishes. Send your wishlist to the North Pole using the proposed protocol. If you don't have wishes, send an ICMP ping packet to FG INET (don't wait for a response). Please respect food hygiene regulations.

(d) Discuss IP layer tunneling in light of Burrito Carriers.



The Internet Header Format [RFC-791]

Figure 1.



The Burrito Internet Header Format

Due Date: Thursday, January, 10th 2013 only until 13:55 h s. t.

- **As PDF files (no MS Office or OpenOffice files):** Uploaded via ISIS (`https://www.isis.tu-berlin.de/course/view.php?id=7028`)
- **On paper:** Postbox in the Telefunkenhochhaus (basement, behind the doorman right)
- Put your name, StudentID number (Matrikelnummer) **and** the name of your tutor on your solution.

[1] `http://tools.ietf.org/html/draft-lohsen-ip-burrito-00`