



## EK-DYMO Implementation (ETRI-KNU DYMO)

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### Features

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- ❑ IPv6
- ❑ Highly compliant with DYMO-05
  - ➔ Migrate to DYMO-06: under implementation
- ❑ Conforms to PacketBB-01: the first trial
- ❑ Utilizes Netfilter architecture as in DYMO-UM
- ❑ Supports Multiple Interfaces
- ❑ Runs in Linux 2.6.x
  - ➔ Tested for 2.6.10 and 2.6.15

## Implementation Issue

### ❑ PacketBB

- allows the packet size to be reduced when PA is applied.
- processing overhead to support various tlvs in one address block when PA is applied still exists

### ❑ DYMO

- Optional fields, e.g. Route.HopCnt
- How to make use of them?
  - ❑ Code: recompile(#ifdef) or if - else?
  - ❑ Efficiency: Does it provide significant efficiency gain in terms of packet size, memory usage and processing time?

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## Future Improvements

- ❑ Utilizing NHDP (Instead of HELLO)
- ❑ Improving PacketBB parser
  - Multiple messages on a packet
    - ❑ When to aggregate and what to aggregate?
- ❑ Supporting both IPv4 and IPv6

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## Release & Contact

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### ❑ Web page

- ➔ <http://monet.knu.ac.kr/dymo>
- ➔ Binary codes are open

### ❑ Contact

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