

# An IP Multicast tale

5/12/00

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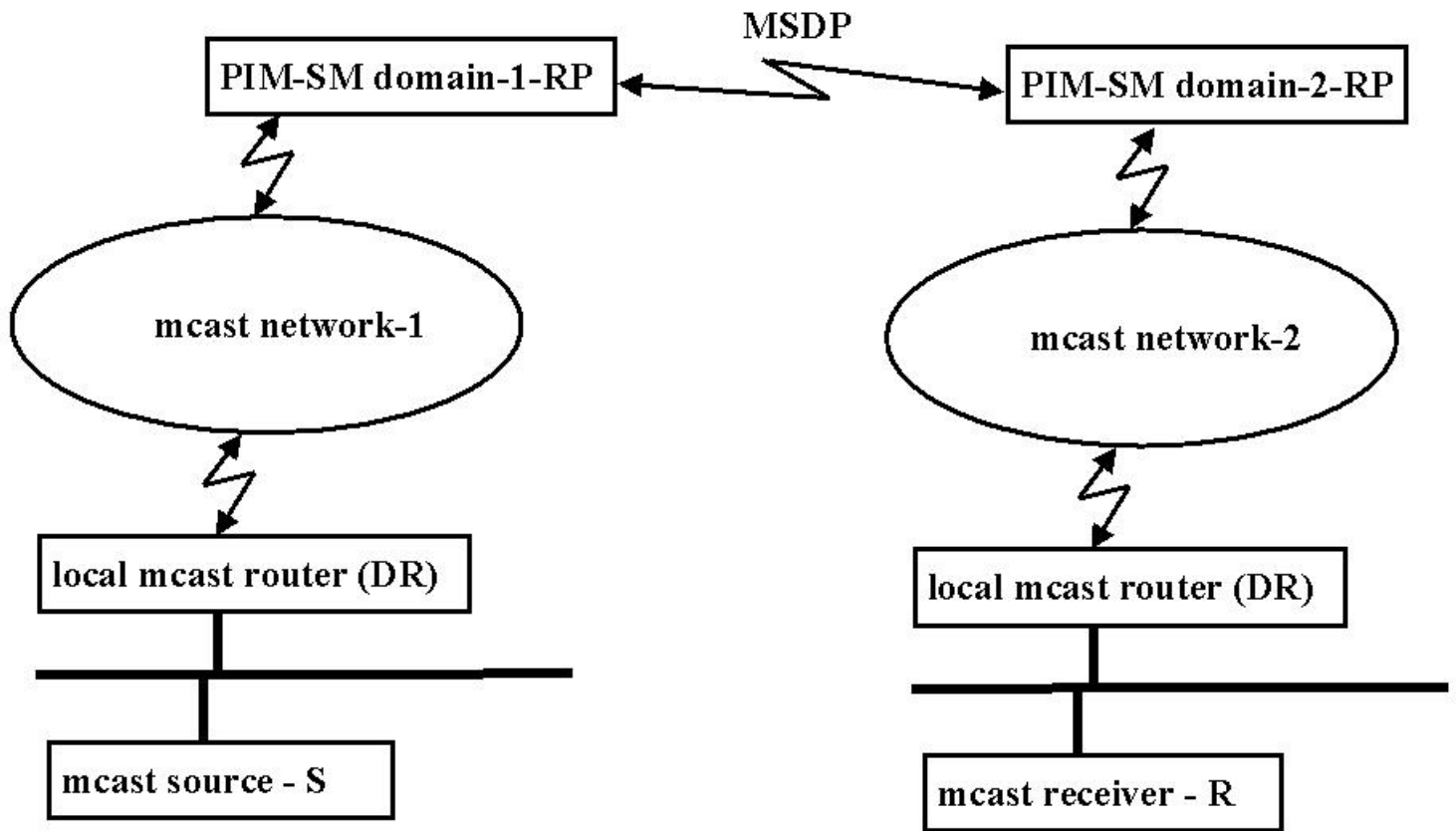
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**An IP Multicast Tale**  
**jan.novak@dante.org.uk**  
**12th May 2000**

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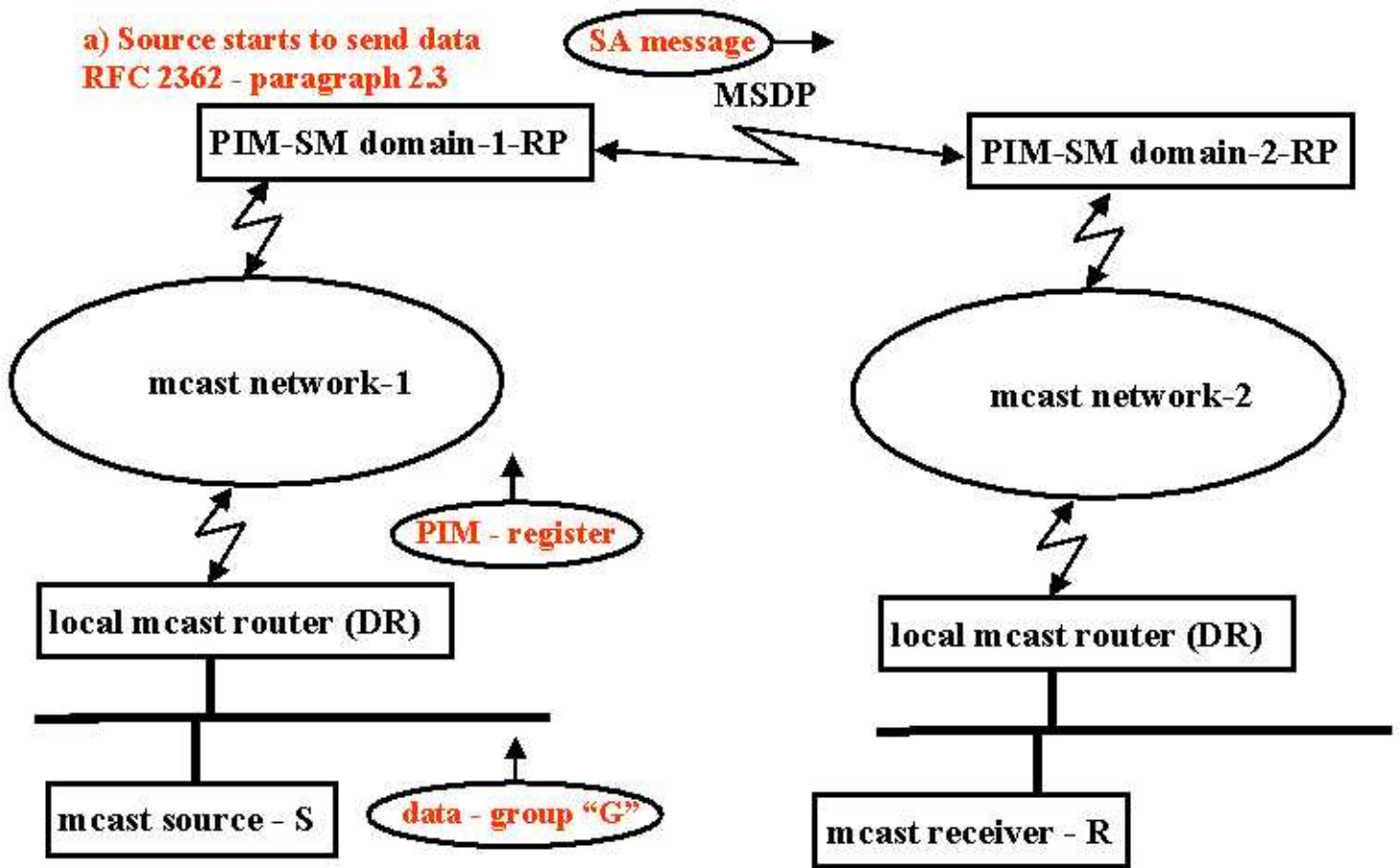
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# 1. Investigated Topology



## 2. Ideal world

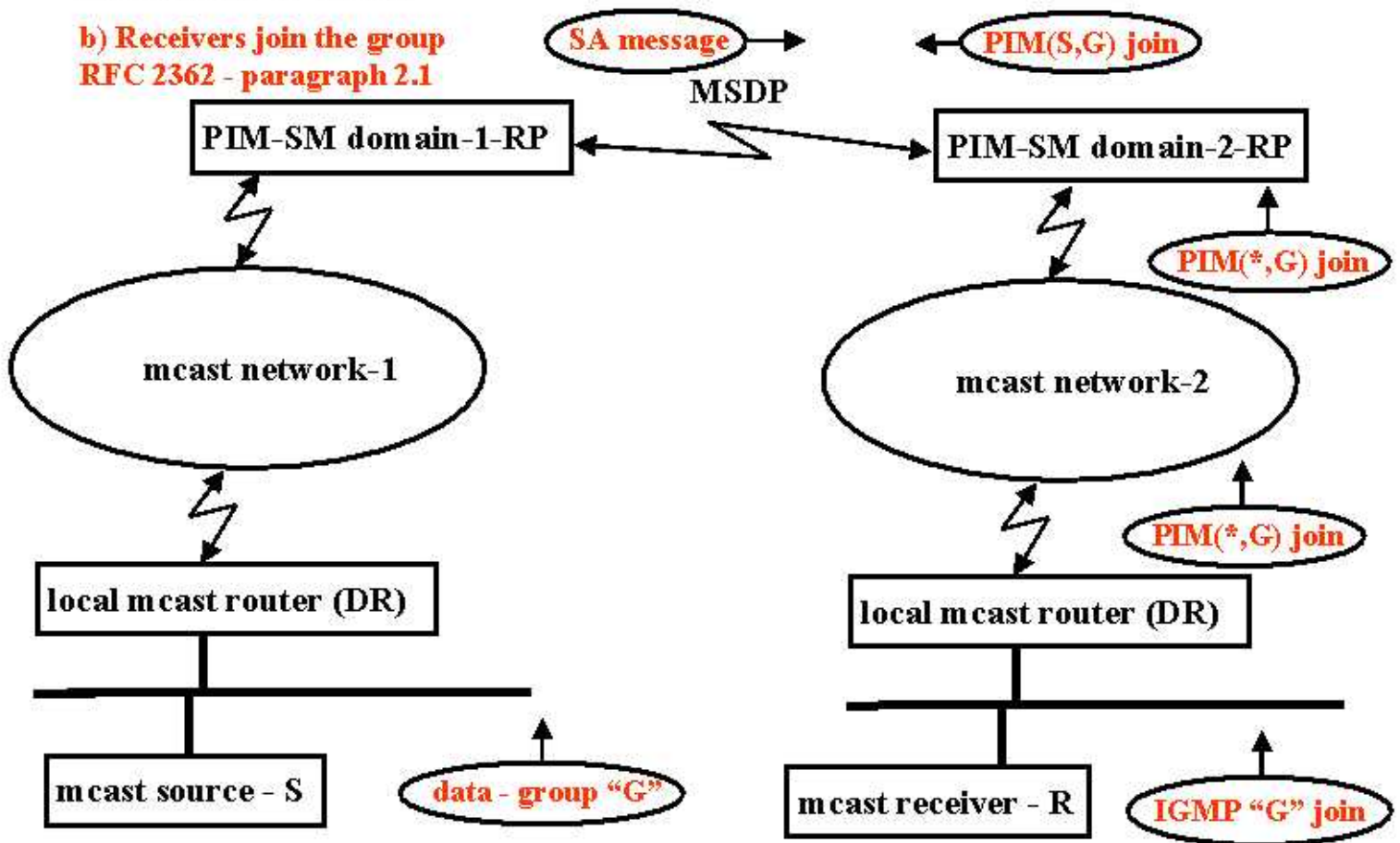
a) Source starts to send data  
RFC 2362 - paragraph 2.3



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## 2. Ideal world

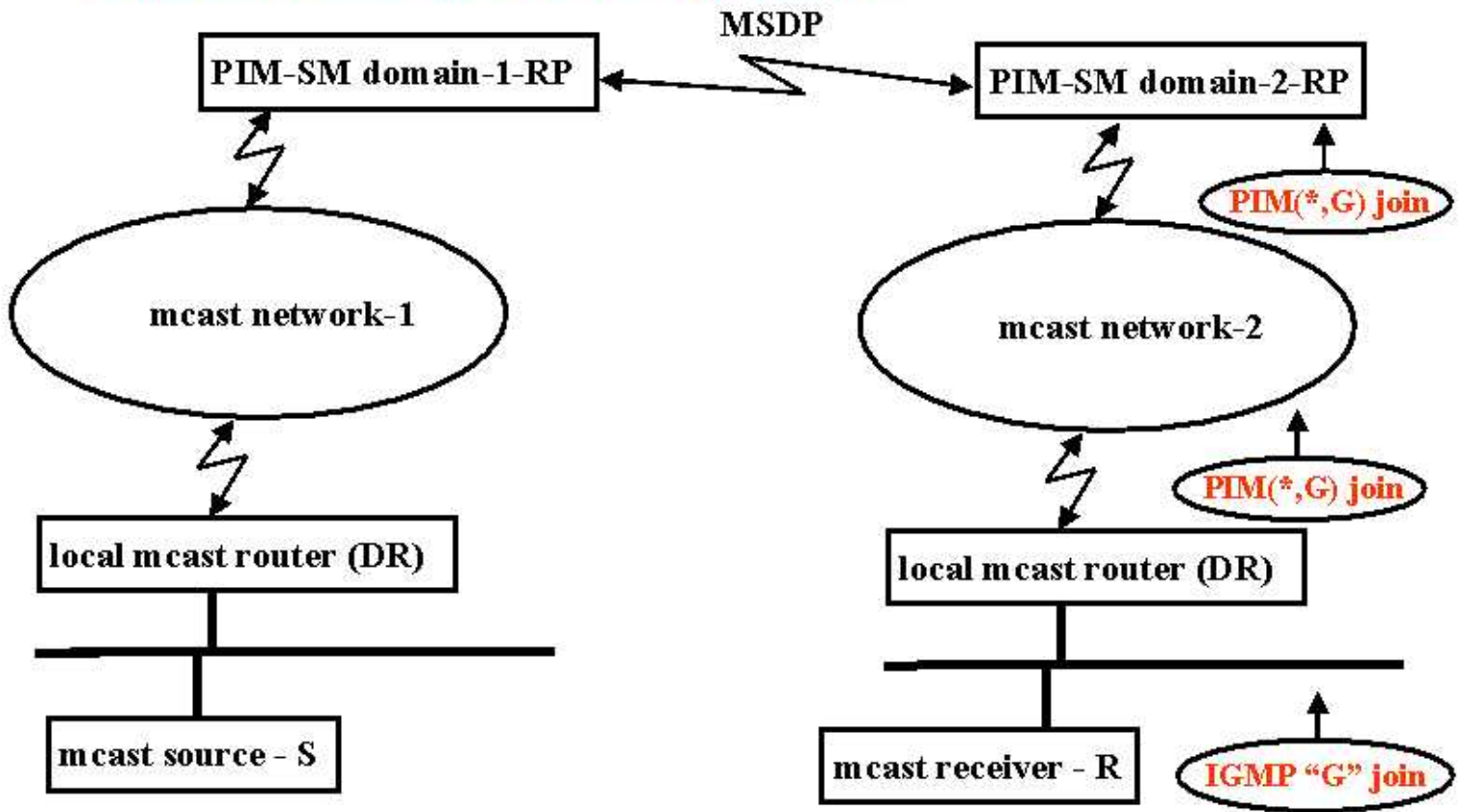
b) Receivers join the group  
RFC 2362 - paragraph 2.1



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## 2. Ideal world

c) Sender stops to send data - no SA message, no (S,G) join

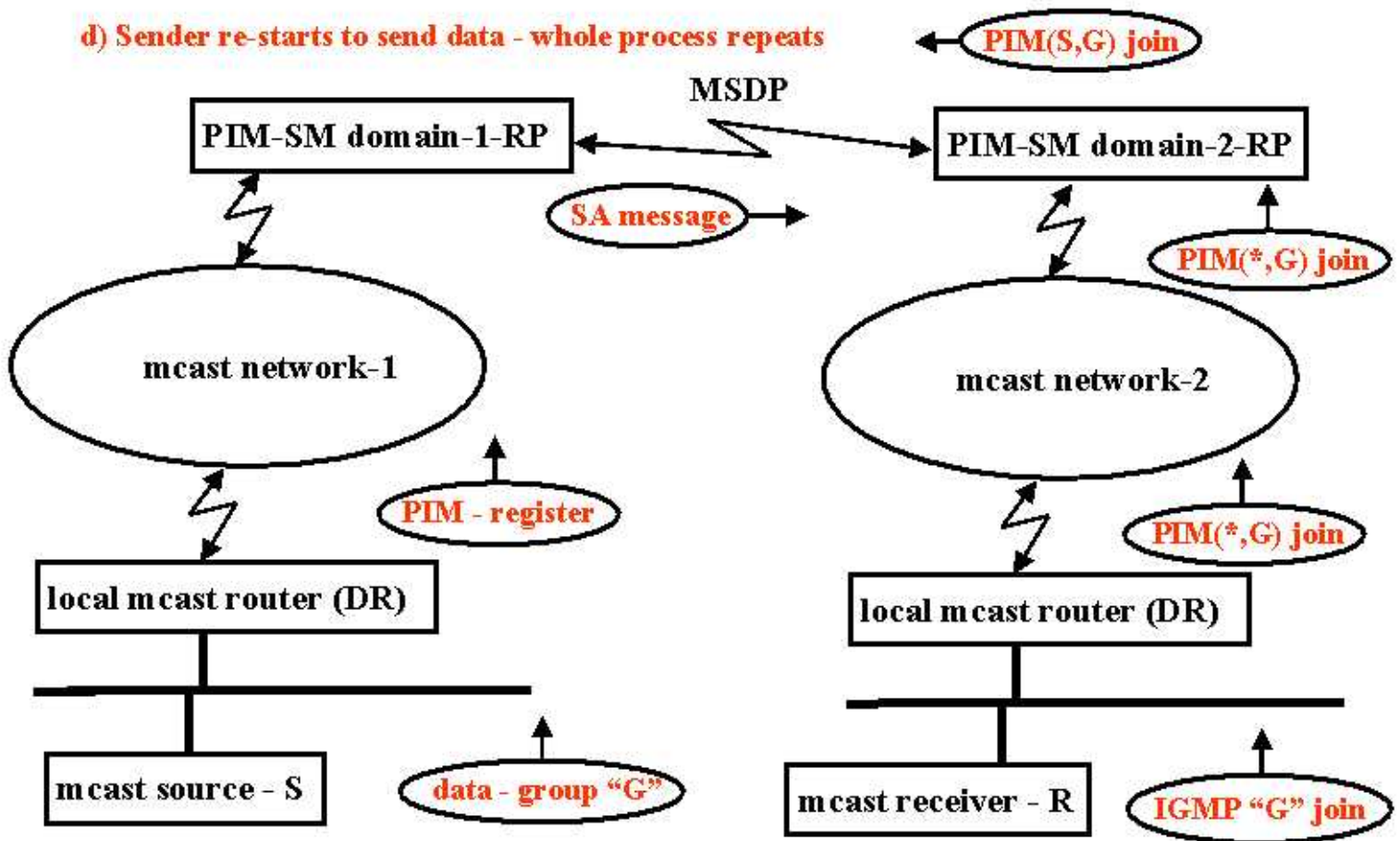


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## 2. Ideal world

d) Sender re-starts to send data - whole process repeats

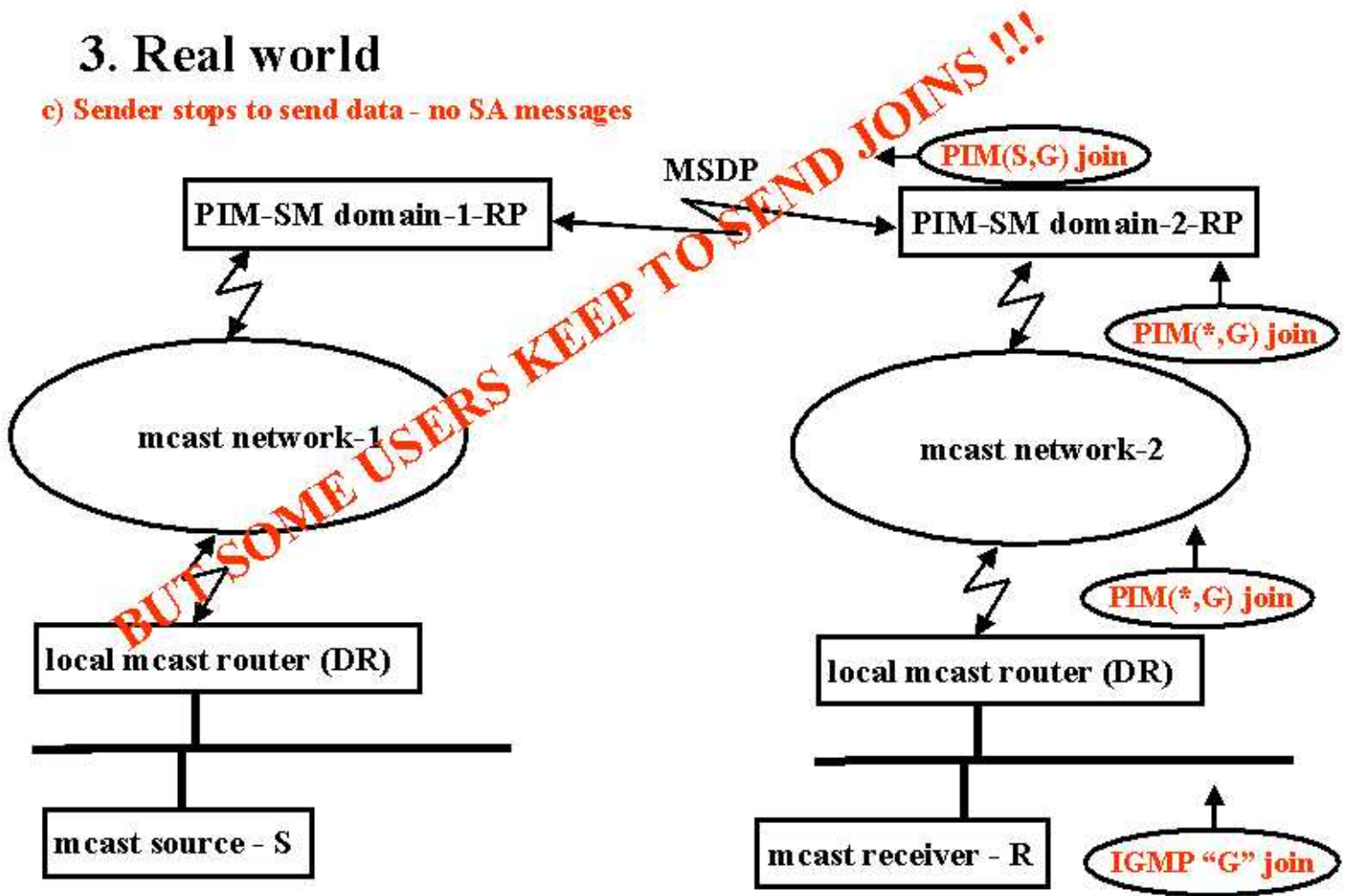


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### 3. Real world

e) Sender stops to send data - no SA messages





### 3. Real world

d) Sender re-starts to send data

- no SA message

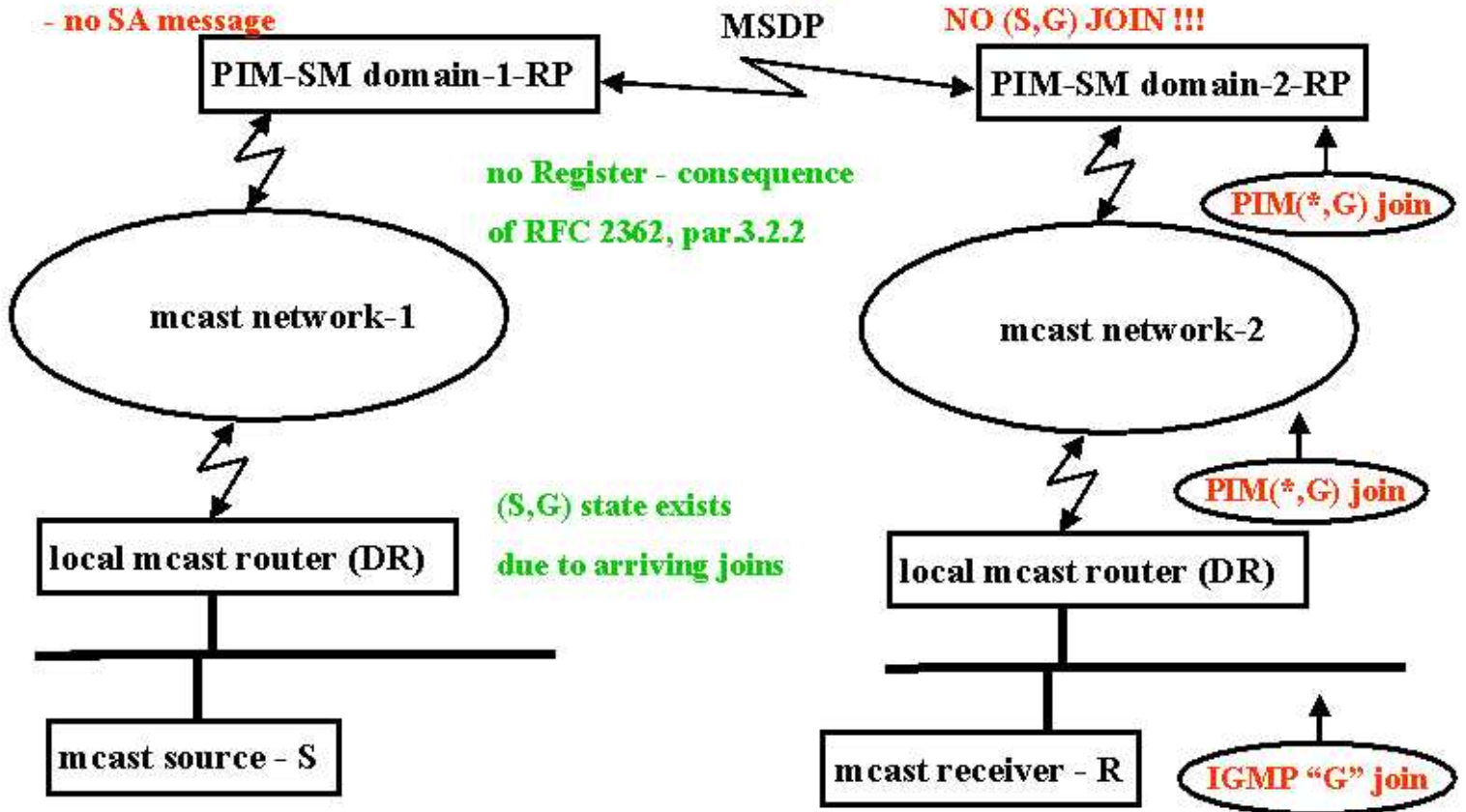
no SA message due

to the absence of Register

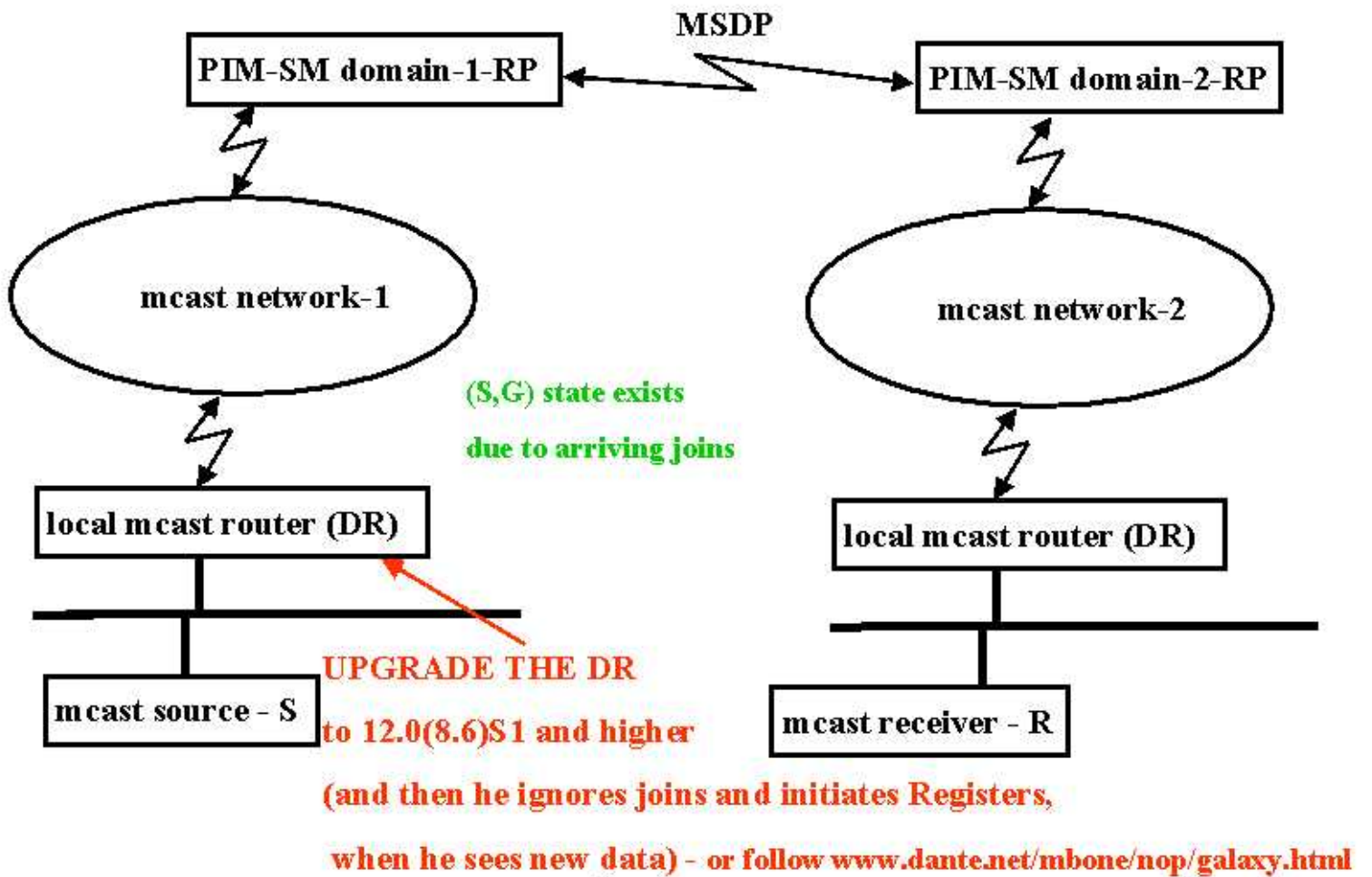
Domain, which behaves properly

does not have info about source S!!!!

NO (S,G) JOIN !!!



## 4. Solution



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