

Step 2: by reading the corresponding CID, to deal with the different packets in the different way.

Step 3: discard those that do not pass the CRC check, if the check passes, to decide whether it is need to update the context of the decompressor. Last, the correctly decompressed RTP/UDP/IP packets should be transmitted to the upper.

(2) improved algorithm of restoring compressed packets

The PoC is a real-time service, so the Feedback as little as possible, the best way is in the U-mode. The wireless link exists the possibility of a large number of packet loss and out-of-order, which will likely cause the compressor and decompressor with the inconsistent coding intervals to lead to incorrect decompression. The decompressor can only wait for U-mode to repair the context. This will affect the real-time seriously. Therefore, based on the traditional decompression context algorithm [7], the paper proposes an improved algorithm of the rapid reduction packet shown in Fig.8, the algorithm can repair the large number of packet loss in time.

5. Conclusion

The wireless network has the characteristics of higher error rate and longer transmission delay, which will guarantee the QoS for PoC difficultly. This article designs the implementation process of the corresponding modules according to the fundamentals of the compressor and the decompressor, in view of the strict delay requirements for PoC, an improved algorithm suitable for the U-mode is brought forward, which can improve the robustness of the system and the utilization rate of the wireless link.

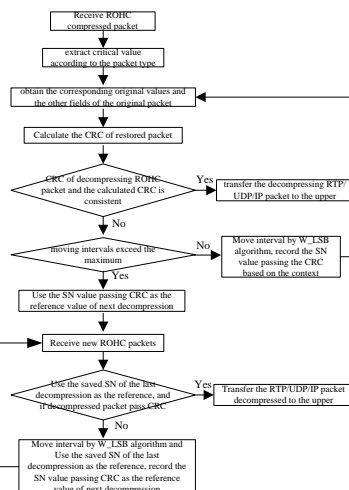


Fig.8 improved algorithm of restoring compressed packets

6. References

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