

**From:** Erik Visscher <E.Visscher@dvme.nl>  
**Sent:** Thursday, November 6, 2008 3:26 PM  
**To:** Muller, F. (Frank) <frank.muller@tno.nl>  
**Subject:** RE: service-based authentication

OK fine. Often such things do indeed come to light when you write down the case in detail in the description.

Kind regards,

**De Vries & Metman**  
Erik Visscher

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**From:** Muller, F. (Frank) [<mailto:frank.muller@tno.nl>]  
**Sent:** Thursday November 6, 2008 1:52 PM  
**To:** Erik Visscher  
**Subject:** RE: service-based authentication

I think the claims (except for a few details) are correct but that some changes are still needed in the text of the specification. And that is because I have had to think about it more now, not because you did not understand it properly. For example, I think it will be difficult to pass an eXpected Service Code to the AuC or to have it determined by the Service Identification Unit in the AuC. There are some more practical objections to the story as it stands now.

So then you have to think of other solutions where not the AuC but the MSC/VLR calculates the changed value. However, we do not yet have this completely watertight technically, in terms of security.

This was a short response; in a next email I will explain the train of thought in more detail. Perhaps you can help determine what all this should mean for the text of the application.

Regards,

Frank

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**From:** Erik Visscher [<mailto:E.Visscher@dvme.nl>]  
**Sent:** Wednesday November 5, 2008 4:26 PM  
**To:** Muller, F. (Frank)  
**Cc:** [lia.gerritse-vanbavel@kpn.com](mailto:lia.gerritse-vanbavel@kpn.com)  
**Subject:** RE: service-based authentication

Fine Frank, I'll wait patiently. By the way, "think about it more" ... what do you mean by that? That it is (technically) incorrect or that more can be gained from it?

Kind regards, Erik.

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**From:** Muller, F. (Frank) [<mailto:frank.muller@tno.nl>]  
**Sent:** Wed 11/5/2008 4:06 PM  
**To:** Erik Visscher  
**CC:** [lia.gerritse-vanbavel@kpn.com](mailto:lia.gerritse-vanbavel@kpn.com)  
**Subject:** RE: service-based authentication

Hi Erik,

Your draft version of the patent application really got me thinking. I need some more time for my response.

Regards,

Frank

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**From:** Muller, F. (Frank)  
**Sent:** Wednesday October 29, 2008 4:41 PM  
**To:** 'Erik Visscher'  
**Cc:** 'lia.gerritse-vanbavel@kpn.com'  
**Subject:** RE: service-based authentication

Hi Erik,

As you may have seen from my out-of-office reply and/or heard from Koen, I was away from work for quite some time due to business trips and vacation. Furthermore, I was and am the one who could best handle this. So, that's why the answer took a while. But I'm going to work on it now and will send you my comment early next week at the latest.

Regards,

Frank

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**From:** Erik Visscher [<mailto:E.Visscher@dvme.nl>]  
**Sent:** Wednesday, October 8, 2008 3:40 PM  
**To:** Laarakkers, J. (Jeroen)  
**Cc:** Muller, F. (Frank); Hartog, T. (Tim); Fransen, F. (Frank); [lia.gerritse-vanbavel@kpn.com](mailto:lia.gerritse-vanbavel@kpn.com)  
**Subject:** service-based authentication

Dear all,

Attached is the draft regarding the above application. Please let me have critical comments and additions where necessary. I also have a question myself (see p.13 description).

Kind regards,

**De Vries & Metman**  
Erik Visscher

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Date: 05/07/2025

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

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Signed this 7<sup>th</sup> day of May, 2025

Hugh Robinson

Signature

Hugh T. Robinson

Name \_\_\_\_\_