receiver, an authentication relation data as a portion required for the authentication process for the first navigation message;

an authentication request signal generation section that generates an authentication request signal which includes the inspection data extracted by the inspection data extraction section and the authentication relation data extracted by the authentication relation data extraction section and requests the authentication process for the first navigation message received by the terminal-side satellite receiver to be performed; and

an authentication request signal transmission processing section that transmits the authentication request signal generated by the authentication request signal generation section.

13. An authentication processing apparatus, comprising:

an authentication request signal reception processing section that receives from a reception terminal, an authentication request signal including an authentication relation data and inspection data, the authentication relation data being as a portion required for an authentication process for the first navigation message, the inspection data being used for the authentication process for the first navigation message of a first navigation message transmitted from a first satellite; and

an authentication arithmetic operation section that performs the authentication process for the first navigation message received by a reception terminal based on the inspection data and the authentication relation data each included in the authentication request signal,

wherein:

in the authentication process, it is authenticated, by using the inspection data, whether the first navigation message received by the reception terminal is the first navigation message transmitted from the first satellite.

14. A navigation message authentication system, comprising:

at least one first satellite that transmits a first navigation message;

a second satellite that transmits a second navigation message including an inspection data used for an authentication process for the first navigation message;

a reception terminal that receives both of the first navigation message and the second navigation message; and

an authentication processing apparatus that is provided outside the reception terminal and communicates with the reception terminal, wherein the authentication processing apparatus performs the authentication process of authenticating whether the first navigation message received by the reception terminal is the first navigation message transmitted from the first satellite by using the inspection data included in the second navigation message,

wherein:

the reception terminal includes a terminal-side satellite receiver that receives both of the first navigation message transmitted from the first satellite and the second navigation message transmitted from the second satellite,

the reception terminal further includes an inspection data extraction section that extracts the inspection data from the second navigation message received by the terminal-side satellite receiver,

the reception terminal further includes an authentication relation data extraction section that extracts, from the first navigation message received by the terminal-side satellite receiver, an authentication relation data required for the authentication process for the first navigation message,

the reception terminal further includes an authentication request signal generation section that generates an authentication request signal which includes the inspection data extracted by the inspection data extraction section and the authentication relation data extracted by the authentication relation data extraction section, and requests the authentication process to be performed for the first navigation message received by the terminal-side satellite receiver,

the reception terminal further includes an authentication request signal transmission processing section that transmits to the authentication

processing apparatus, the authentication request signal generated by the authentication request signal generation section,

the authentication processing apparatus includes an authentication request signal reception processing section that receives the authentication request signal from the authentication request signal transmission processing section, and

the authentication processing apparatus further includes an authentication arithmetic operation section that performs the authentication process for the first navigation message received by the reception terminal, based on the inspection data and on the authentication relation data each included in the authentication request signal.

15. The navigation message authentication system according to claim 1, wherein:

the authentication processing apparatus performs the authentication process for the first navigation message in place of the reception terminal.