CLAIMS

1. A communication method, comprising:

sending, by a second data analytics network element, a first request to a first data analytics network element, wherein the first request carries an analytics type identifier and second model requirement information, and the first request requests model index information of a model that corresponds to the analytics type identifier and meets the second model requirement information, wherein the second model requirement information comprises analytics filter information; and

receiving, by the second data analytics network element, the model index information from the first data analytics network element.

2. The method according to claim 1, further comprising:

sending, by the second data analytics network element, a network function discovery request to a network repository network element, wherein the network function discovery request comprises the analytics type identifier and first model requirement information, and the network function discovery request requests to obtain a data analytics network element that can provide a model corresponding to the analytics type identifier and meeting the first model requirement information; and

receiving, by the second data analytics network element, address information of the first data analytics network element from the network repository network element.

3. The method according to claim 2, wherein the first model requirement information comprises one or more of the following information: analytics filter information, a target of analytics reporting, model performance information, or model deployment environment information, wherein

the analytics filter information indicates an applicable range of a model that the second data analytics network element needs to request, and the analytics filter information comprises one or more of the following: an area, a time period, single network slice selection assistance information, or a data network name;

the target of analytics reporting indicates a terminal corresponding to the model that the second data analytics network element needs to request, and the target of analytics reporting comprises one or more of the following: an identifier of the terminal, an identifier of a terminal group, or information indicating any terminal;

the model performance information indicates performance of the model that the second data analytics network element needs to request, and the model performance information comprises one or more of the following: precision, accuracy, error rate, recall rate, F1 score, mean squared error, root mean squared error, root mean squared logarithmic error, mean absolute error, model inference duration, model robustness, model expandability, and model interpretability; and

the model deployment environment information indicates a hardware environment in which the model that the second data analytics network element needs to request is deployed, and the model deployment environment information comprises one or more of the following: a quantity of central processing units, a quantity of graphics processing units, a memory size, or a hard disk size.

4. The method according to claim 3, wherein the second model requirement information comprises a part or all of the first model requirement information.

5. The method according to any one of claims 1 to 4, wherein the second model requirement information comprises time information, wherein the time information indicates a time point at which the model index information from the first data analytics network element is expected to be received.

6. The method according to claim 1, further comprising:

receiving, by the second data analytics network element, first indication information from the first data analytics network element, wherein the first indication information indicates that the model index information cannot be sent before the time point indicated by the time information.

7. A communication method, comprising:

receiving, by a first data analytics network element, a first request from a second data analytics network element, wherein the first request carries an analytics type identifier and second model requirement information, and the first request requests model index information of a model that corresponds to the analytics type identifier and meets the second model requirement information, wherein the second model requirement information comprises analytics filter information;

obtaining, by the first data analytics network element, the model index information based on the second model requirement information and the analytics type identifier; and

sending, by the first data analytics network element, the model index information to the second data analytics network element.

8. The method according to claim 7, wherein the second model requirement information comprises time information, wherein the time information indicates a time point at which the model index information from the first data analytics network element is expected to be received.

9. The method according to claim 8, further comprising:

sending, by the first data analytics network element, first indication information to the second data analytics network element, wherein the first indication information indicates that the model index information cannot be sent before the time point indicated by the time information.

10. The method according to any one of claims 7 to 9, further comprising:

sending, by the first data analytics network element, a network function registration request to a network repository network element, wherein the network function registration request carries the analytics type identifier and model information, the model information comprises second indication information, and the second indication information indicates whether training of the model corresponding to the analytics type identifier has been completed or is ready to be completed.

11. The method according to claim 10, wherein when the second indication information indicates that the training of the model corresponding to the analytics type identifier has been completed or is ready to be completed, the model information further comprises model description information, and the model description information comprises one or more of the following information: analytics filter information, a target of analytics reporting, model performance information, or model deployment environment information, wherein

the analytics filter information indicates an applicable range of a model corresponding to the analytics type identifier, and the analytics filter information comprises one or more of the following: an area, a time period, single network slice selection assistance information, or a data network name;

the target of analytics reporting indicates a terminal corresponding to the model corresponding to the analytics type identifier, and the target of analytics reporting comprises one or more of the following: an identifier of the terminal, an identifier of a terminal group, or information indicating any terminal;

the model performance information indicates performance of the model corresponding to the analytics type identifier, and the model performance information comprises one or more of the following: precision, accuracy, error rate, recall rate, F1 score, mean squared error, root mean squared error, root mean squared logarithmic error, mean absolute error, model inference duration,

model robustness, model expandability, and model interpretability; and

the model deployment environment information indicates a hardware environment in which the model corresponding to the analytics type identifier is deployed, and the model deployment environment information comprises one or more of the following: a quantity of central processing units, a quantity of graphics processing units, a memory size, or a hard disk size.

12. A communication apparatus, comprising a processor, wherein the processor is coupled to a memory, the memory is configured to store a program or instructions, and when the program or the instructions are executed by the processor, the apparatus is enabled to perform the method according to any one of claims 1 to 6 or 7 to 11.

13. A chip system, comprising: at least one processor and an interface circuit, wherein the interface circuit is coupled to the at least one processor, and the processor performs the method according to any one of claims 1 to 6 or 7 to 11 by running instructions.