

Food and Agriculture Organization of the United Nations







FOOD CONTROL SYSTEM ASSESSMENT TOOL

DIMENSION D SCIENCE/KNOWLEDGE BASE AND CONTINUOUS IMPROVEMENT

FOOD CONTROL SYSTEM ASSESSMENT TOOL

DIMENSION D Science/knowledge Base and continuous Improvement

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS WORLD HEALTH ORGANIZATION ROME, 2019 Required citation:

FAO and WHO. 2019. Food control system assessment tool: Dimension D – Science/Knowledge base and continuous improvement. Food safety and quality series No. 7/5. Rome.

The designations employed and the presentation of material in this information product do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations (FAO) or World Health Organization (WHO) concerning the legal or development status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. The mention of specific companies or products of manufacturers, whether or not these have been patented, does not imply that these have been endorsed or recommended by FAO or WHO in preference to others of a similar nature that are not mentioned.

The views expressed in this information product are those of the author(s) and do not necessarily reflect the views or policies of FAO or WHO.

ISBN 978-92-5-131656-6 (FAO) ISBN 978-92-4-151663-1 (WHO)

© FAO and WHO, 2019



Some rights reserved. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 3.0 IGO licence (CC BY-NC-SA 3.0 IGO; https://creativecommons.org/ licenses/by-nc-sa/3.0/igo/legalcode).

Under the terms of this licence, this work may be copied, redistributed and adapted for non-commercial purposes, provided that the work is appropriately cited. In any use of this work, there should be no suggestion that FAO or WHO endorses any specific organization, products or services. The use of the FAO or WHO logo is not permitted. If the work is adapted, then it must be licensed under the same or equivalent Creative Commons licence. If a translation of this work is created, it must include the following disclaimer along with the required citation: "This translation was not created by the Food and Agriculture Organization of the United Nations (FAO) or WHO. FAO/WHO are not responsible for the content or accuracy of this translation. The original English edition shall be the authoritative edition.

Disputes arising under the licence that cannot be settled amicably will be resolved by mediation and arbitration as described in Article 8 of the licence except as otherwise provided herein. The applicable mediation rules will be the mediation rules of the World Intellectual Property Organization http://www. wipo.int/amc/en/mediation/rules and any arbitration will be conducted in accordance with the Arbitration Rules of the United Nations Commission on International Trade Law (UNCITRAL).

Third-party materials. Users wishing to reuse material from this work that is attributed to a third party, such as tables, figures or images, are responsible for determining whether permission is needed for that reuse and for obtaining permission from the copyright holder. The risk of claims resulting from infringement of any third-party-owned component in the work rests solely with the user.

Sales, rights and licensing. FAO information products are available on the FAO website (www.fao.org/publications) and can be purchased through publications-sales@fao.org. Requests for commercial use should be submitted via: www.fao.org/contact-us/licence-request. Queries regarding rights and licensing should be submitted to: copyright@fao.org.

Cover photo: © FA0/Oliver Bunic

CONTENTS

D.1 EVIDENCE/RISK BASE1
D.1.1 Access of CAs to updated scientific and technical information
D.1.2 Capacity to collect and analyse data for risk analysis purposes
D.1.3 Knowledge and use by CAs of risk analysis framework
D.2 CONTINUOUS IMPROVEMENT
D.2 CONTINUOUS IMPROVEMENT



DIMENSION D looks at the necessary features for the system to build its scientific soundness and to keep abreast of new scientific developments and innovations, in order to continuously improve.

SUB-DIMENSION D.1 EVIDENCE/RISK BASE

This sub-dimension explores how CAs anchor their decisions on relevant scientific and technical information, reviews the robustness of information collection processes as a foundation for risk analysis, and assesses the use made of this risk analysis framework to quantify food safety risks.

Competency D.1.1 (Access of CAs to updated scientific and technical information) ensures that CAs base their food control decisions on relevant scientific and technical information. For this to happen, relevant staff should be provided with access to authentic and up-to-date sources of scientific and technical information; active collaborations should be in place with Centres of Excellence or Reference Centres for food safety; and staff should participate in professional associations. Staff should also be facilitated to share new knowledge with work colleagues and work teams, in a collaborative manner.

Competency D.1.2 (Capacity to collect and analyse data for risk analysis purposes) ensures primarily that risk analysis processes are based on robust information collection and quality data. Data collection activities that produce scientifically valid information to support risk analysis can be implemented only in the presence of sufficient infrastructure, technological capacity and expertise. Systems to monitor collection and processing of data should be in place to guarantee quality of data collection and analysis, and CAs should identify and collect data on country-specific hazard and commodity combinations. Multi-sectoral risk analysis should be carried out with a holistic view of the food supply chain that integrates information from the surveillance system and from routine inspection and monitoring. CAs should actively identify data needs for risk assessments while ad hoc research studies should be conducted to attribute food sources to specific diseases and to generate burden of FBD estimates.

Competency D.1.3 (Knowledge and use by CAs of risk analysis framework) evaluates whether CAs appropriately use the risk analysis framework to quantify food safety risks, and use the outputs to plan and cyclically refine their food safety official controls. While competency D.1.2 is essentially about the validity of data that

预览已结束, 完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_25104